

# Active Distributors ASi, IP20/IP67



## 2 x connectors for profile cable

### Periphery connection

- via connecting wires
- M8 cable sockets
- M12 cable sockets
- 8 x push in terminals



(Figure similar)



| Figure | Type              | Inputs digital | Outputs digital | Input voltage (sensor supply) <sup>(1)</sup> | Output voltage (actuator supply) <sup>(2)</sup> | ASi connection <sup>(3)</sup> | Connection <sup>(4)</sup>                                                          | ASi address <sup>(5)</sup> | Special function                                                                             | Art. no. |
|--------|-------------------|----------------|-----------------|----------------------------------------------|-------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------|----------|
|        | IP67, depth 35 mm | 4              | 2 x electronic  | out of ASi                                   | out of ASi                                      | ASi profile cable             | 6 x M8 cable sockets, straight, 4 poles                                            | 1 AB slave                 | to control valves Festo CPE14 / VUVG-L14 via ASi                                             | BWU3577  |
|        | IP67, depth 35 mm | 4              | 4 x electronic  | out of ASi                                   | out of AUX                                      | ASi profile cable             | 4 x M8 cable sockets, straight, 4 poles                                            | 1 AB slave                 | —                                                                                            | BWU3555  |
|        | IP67, depth 35 mm | 2              | 2 x electronic  | out of ASi                                   | out of ASi                                      | ASi profile cable             | 2 x M12 cable sockets, straight, 5 poles + 2 x M8 cable sockets, straight, 3 poles | 1 AB slave                 | —                                                                                            | BWU3695  |
|        | IP67, depth 35 mm | 4              | —               | out of ASi                                   | —                                               | ASi profile cable             | 4 x M12 cable sockets, straight, 5 poles                                           | 1 AB slave                 | —                                                                                            | BWU3632  |
|        | IP67, depth 35 mm | 4              | —               | out of ASi                                   | —                                               | ASi profile cable             | 4 x M12 cable sockets, straight, 5 poles                                           | 1 AB slave                 | —                                                                                            | BWU3633  |
|        | IP67, depth 35 mm | 4              | —               | out of AUX                                   | —                                               | ASi profile cable             | 3 x round cable/ connecting wires + 1 x M8 cable socket, straight, 4 poles         | 1 AB slave                 | —                                                                                            | BWU3608  |
|        | IP67, depth 35 mm | 4              | 4 x electronic  | out of ASi                                   | out of AUX                                      | ASi profile cable             | 2 x round cable/ connecting wires                                                  | 1 AB slave                 | —                                                                                            | BWU3317  |
|        | IP67, depth 35 mm | 4              | 4 x electronic  | out of ASi                                   | out of AUX                                      | ASi profile cable             | 2 x M12 cable sockets, straight, 5 poles                                           | 1 AB slave                 | —                                                                                            | BW3507   |
|        | IP67, depth 35 mm | 4              | 4 x electronic  | out of ASi                                   | out of ASi                                      | ASi profile cable             | 2 x round cable/ connecting wires                                                  | 1 AB slave                 | —                                                                                            | BWU3326  |
|        | IP67, depth 35 mm | 3              | 4 x electronic  | out of AUX                                   | out of AUX                                      | ASi profile cable             | 2 x M12 cable sockets, straight, 5 poles                                           | 1 AB slave                 | to connect K50Pro Banner Stacklight to ASi                                                   | BWU3785  |
|        | IP67, depth 35 mm | 4              | —               | out of ASi                                   | —                                               | ASi profile cable             | 2 x round cable/ connecting wires                                                  | 1 AB slave                 | —                                                                                            | BWU3374  |
|        | IP67, depth 35 mm | 1              | 4 x electronic  | out of ASi                                   | out of ASi                                      | ASi profile cable             | 1 x M12 cable sockets, straight, 5 poles + 1 x M12 cable sockets, angled, 5 poles  | 1 AB slave                 | to connect Banner K50 Series EZ-Light, Type K50L...PQ + Wenglor Light Curtains Pick-to-Light | BWU3534  |
|        | IP67, depth 35 mm | 4              | 4 x electronic  | out of ASi                                   | out of ASi                                      | ASi profile cable             | 1 x round cable/ connecting wires                                                  | 1 AB slave                 | —                                                                                            | BW3500   |
|        | IP67, depth 35 mm | 4              | 4 x electronic  | out of ASi                                   | out of ASi                                      | ASi profile cable             | 1 x round cable/ connecting wires                                                  | 1 AB slave                 | to connect Stack-Light Banner TL50GYRAQ + audible alarm (180 mA) to ASi                      | BWU3606  |
|        | IP67, depth 35 mm | 4              | 4 x electronic  | out of AUX                                   | out of AUX                                      | ASi profile cable             | 1 x M12 cable socket, straight, 8 poles                                            | 1 AB slave                 | to connect Euchner MGB to ASi                                                                | BW3377   |
|        | IP67, depth 35 mm | 2              | 2 x electronic  | out of AUX                                   | out of AUX                                      | ASi profile cable             | 1 x round cable/ connecting wires                                                  | 1 AB slave                 | to control Linak LA12 drives                                                                 | BWU3607  |

# Active Distributors ASi, IP20/IP67



| Figure                                                                              | Type              | Inputs digital | Outputs digital | Input voltage (sensor supply) <sup>(1)</sup> | Output voltage (actuator supply) <sup>(2)</sup> | ASi connection <sup>(3)</sup> | Connection <sup>(4)</sup>                                                    | ASi address <sup>(5)</sup> | Special function                                              | Art. no.       |
|-------------------------------------------------------------------------------------|-------------------|----------------|-----------------|----------------------------------------------|-------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------|----------------|
|    | IP67, depth 35 mm | 1              | 3 x electronic  | out of ASi                                   | out of ASi                                      | ASi profile cable             | 1 x M12 cable socket, angled, 8 poles                                        | 1 AB slave                 | to connect Banner K50 Series EZ-LIGHT, Typ K50AP***F2Q to ASi | <b>BWU3639</b> |
|    | IP67, depth 19 mm | 4              | –               | out of AUX                                   | –                                               | ASi profile cable             | 2 x M12-cable sockets, straight, 5 poles                                     | 1 AB slave                 | –                                                             | <b>BWU3498</b> |
|                                                                                     | IP67, depth 19 mm | 2              | 2 x electronic  | out of AUX                                   | out of AUX                                      | ASi profile cable             | 1 x M12 cable sockets, straight, 5 poles + 1 x round cable/ connecting wires | 1 AB slave                 | –                                                             | <b>BWU3628</b> |
|                                                                                     | IP67, depth 19 mm | 2              | 2 x electronic  | out of AUX                                   | out of AUX                                      | ASi profile cable             | 2 x M12 cable sockets, straight, 5 poles                                     | 1 AB slave                 | –                                                             | <b>BWU3497</b> |
|                                                                                     | IP67, depth 19 mm | 2              | 2 x electronic  | out of AUX                                   | out of AUX                                      | ASi profile cable             | 2 x round cables/ connecting wires                                           | 1 AB slave                 | –                                                             | <b>BWU3602</b> |
|                                                                                     | IP67, depth 19 mm | 2              | 1 x electronic  | out of AUX                                   | out of AUX                                      | ASi profile cable             | 2 x M12 cable sockets, angled, 5 poles                                       | 1 AB slave                 | –                                                             | <b>BW3250</b>  |
|   | IP67, depth 19 mm | 2              | 2 x electronic  | out of ASi                                   | out of ASi                                      | ASi profile cable             | 1 x M12 cable socket, straight, 8 poles                                      | 1 AB slave                 | –                                                             | <b>BWU3400</b> |
|                                                                                     | IP67, depth 19 mm | 2              | –               | out of ASi                                   | –                                               | ASi profile cable             | 1 x M12 cable socket, angled, 5 poles                                        | 1 AB slave                 | –                                                             | <b>BWU3642</b> |
|                                                                                     | IP67, depth 19 mm | 2              | –               | out of AUX                                   | –                                               | ASi profile cable             | 1 x M12 cable socket, angled, 5 poles                                        | 1 AB slave                 | –                                                             | <b>BWU3564</b> |
|                                                                                     | IP67, depth 19 mm | –              | 4 x electronic  | –                                            | out of AUX                                      | ASi profile cable             | 1 x round cable/ connecting wires                                            | 1 AB slave                 | –                                                             | <b>BW3300</b>  |
|                                                                                     | IP67, depth 19 mm | –              | 4 x electronic  | –                                            | out of AUX                                      | ASi profile cable             | 1 x round cable/ connecting wires                                            | 1 AB slave                 | –                                                             | <b>BWU3487</b> |
|                                                                                     | IP67, depth 19 mm | –              | 4 x electronic  | –                                            | out of AUX                                      | ASi profile cable             | 1 x M12 cable socket, straight, 5-poles                                      | 1 AB slave                 | to connect general-purpose display Banner K50 Pro to ASi      | <b>BWU4087</b> |
|  | IP67, depth 19 mm | 4              | –               | out of AUX                                   | –                                               | ASi profile cable             | 8 x push in terminals                                                        | 1 AB slave                 | –                                                             | <b>BWU3349</b> |
|                                                                                     | IP67, depth 19 mm | 3              | 1 x electronic  | out of AUX                                   | out of AUX                                      | ASi profile cable             | 8 x push in terminals                                                        | 1 AB slave                 | –                                                             | <b>BWU3414</b> |
|                                                                                     | IP67, depth 19 mm | –              | 4 x electronic  | –                                            | out of AUX                                      | ASi profile cable             | 8 x push in terminals                                                        | 1 AB slave                 | –                                                             | <b>BWU3342</b> |

(1) **Input voltage (sensor supply):** inputs are supplied by ASi or by AUX (auxiliary 24 V power). If supplied by ASi, inputs shall not be connected to earth or to external potential.

(2) **Output voltage (actuator supply):** outputs are supplied by ASi or by AUX (auxiliary 24 V power). If supplied by ASi, outputs shall not be connected to earth or to external potential

(3) **ASi connection:** the connection to ASi as well to AUX (auxiliary 24 V power) is made via yellow resp. black ASi profile cable with piercing technology or via M12 socket (in IP20 via clamps).

(4) **Connection:** further connection options are available on request.

| M12 cable socket, angled                                                            | M12 cable socket, straight                                                          | M8 cable socket, straight                                                           | round cable / connecting wires                                                       | Push in terminals                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| PUR line: oil resistant                                                             |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|  |  |  |  |  |

(5) **ASi address:** 1 AB slave (max. 62 AB slaves/ASi network), 2 AB slaves (max. 31 modules with 2 AB slaves), Single Slaves (max. 31 Single Slaves/ASi network), mixed use allowed.  
For modules with two slaves the second slave is turned off as long as the first slave is addressed to address "0".  
Upon request, slaves are available with specific ASi Slave profiles.

# Active Distributors ASi, IP20/IP67



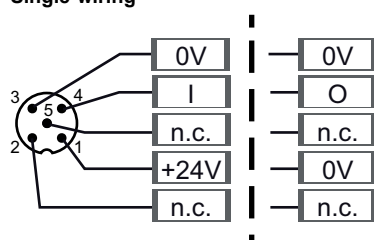
| Article No.                                              |              | BWU3374                                                                                                                                                                                                                 | BWU3632                                  | BWU3633                 | BWU3608                                                                   | BWU3349                                                                                                                                            |
|----------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| General data                                             |              |                                                                                                                                                                                                                         |                                          |                         |                                                                           |                                                                                                                                                    |
| Device type                                              |              | input                                                                                                                                                                                                                   |                                          |                         |                                                                           |                                                                                                                                                    |
| Connection                                               |              |                                                                                                                                                                                                                         |                                          |                         |                                                                           |                                                                                                                                                    |
| ASi/AUX connection                                       |              | profile cable and piercing                                                                                                                                                                                              |                                          |                         |                                                                           |                                                                                                                                                    |
| Periphery connection                                     |              | 2 x round cable/connecting wires                                                                                                                                                                                        | 4 x M12 cable sockets, straight, 5 poles |                         | 3 x round cable/connecting wires + 1 x M8 cable socket, straight, 4 poles | 8 x push in terminals; wire section flexible (wire end ferrule without plastic sleeve): min. 0,2 mm <sup>2</sup> ; max. 0,5 mm <sup>2</sup> /AWG20 |
| M12 wiring <sup>(1)</sup>                                |              | –                                                                                                                                                                                                                       | single wiring                            |                         | –                                                                         |                                                                                                                                                    |
| Round cable                                              |              | 0,5 m                                                                                                                                                                                                                   | 0,3 m                                    | 2 m                     | 1 m                                                                       | –                                                                                                                                                  |
|                                                          |              | max. allowed tensile strain 10 N                                                                                                                                                                                        |                                          |                         |                                                                           |                                                                                                                                                    |
| ASi                                                      |              |                                                                                                                                                                                                                         |                                          |                         |                                                                           |                                                                                                                                                    |
| Profile                                                  |              | S-0.A.E (ID1=7 fixed)                                                                                                                                                                                                   |                                          | S-0.A.E (ID1=7 default) | S-7.A.7 (ID1=7 fixed)                                                     | S-0.A.E (ID1=7 default)                                                                                                                            |
| Address                                                  |              | 1 AB slave                                                                                                                                                                                                              |                                          |                         |                                                                           |                                                                                                                                                    |
| Required Master profile                                  |              | ≥M3                                                                                                                                                                                                                     |                                          | ≥M4                     |                                                                           | ≥M3                                                                                                                                                |
| As of ASi specification                                  |              | 2.1                                                                                                                                                                                                                     |                                          | 3.0                     |                                                                           | 2.1                                                                                                                                                |
| Operating voltage                                        |              | 30 V (18 ... 31.6 V)                                                                                                                                                                                                    |                                          |                         |                                                                           |                                                                                                                                                    |
| Max. current consumption                                 |              | 165 mA                                                                                                                                                                                                                  |                                          |                         | 45 mA                                                                     | 35 mA                                                                                                                                              |
| Max. current consumption without sensor/ actuator supply |              | 45 mA                                                                                                                                                                                                                   |                                          |                         | 45 mA                                                                     | 35 mA                                                                                                                                              |
| AUX                                                      |              |                                                                                                                                                                                                                         |                                          |                         |                                                                           |                                                                                                                                                    |
| Operating voltage                                        |              | –                                                                                                                                                                                                                       |                                          |                         | 24 V (18 ... 30 V <sub>DC</sub> )                                         |                                                                                                                                                    |
| Max. current consumption                                 |              | –                                                                                                                                                                                                                       |                                          |                         | 1 A                                                                       |                                                                                                                                                    |
| Input                                                    |              |                                                                                                                                                                                                                         |                                          |                         |                                                                           |                                                                                                                                                    |
| Number                                                   |              | 4                                                                                                                                                                                                                       |                                          |                         |                                                                           |                                                                                                                                                    |
| Power supply                                             |              | out of ASi                                                                                                                                                                                                              |                                          |                         | out of AUX                                                                |                                                                                                                                                    |
| Power supply of attached sensors                         | up to +40 °C | 120 mA <sup>(2)</sup>                                                                                                                                                                                                   |                                          |                         | 1 A                                                                       |                                                                                                                                                    |
|                                                          | at +55 °C    | 80 mA <sup>(2)</sup>                                                                                                                                                                                                    |                                          |                         |                                                                           |                                                                                                                                                    |
|                                                          | at +60 °C    | 60 mA <sup>(2)</sup>                                                                                                                                                                                                    |                                          |                         |                                                                           |                                                                                                                                                    |
| Switching threshold                                      |              | U<5 V (low)<br>U>15 V (high)                                                                                                                                                                                            |                                          |                         |                                                                           |                                                                                                                                                    |
| Display                                                  |              |                                                                                                                                                                                                                         |                                          |                         |                                                                           |                                                                                                                                                    |
| LED ASi/FLT (red/green)                                  |              | green: ASi voltage on, slave online<br>green/red: ASi voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(3)</sup><br>off: no ASi voltage |                                          |                         |                                                                           |                                                                                                                                                    |
| LED AUX (green)                                          |              | –                                                                                                                                                                                                                       |                                          |                         | on: 24 V <sub>DC</sub> AUX<br>off: no 24 V <sub>DC</sub> AUX              |                                                                                                                                                    |
| LEDs I1 ... In (yellow)                                  |              | state of inputs I1 ... I4                                                                                                                                                                                               |                                          |                         |                                                                           |                                                                                                                                                    |

# Active Distributors ASi, IP20/IP67

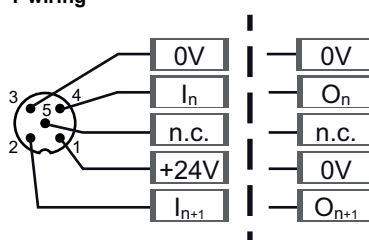
| Article No.                                  | BWU3374                                                                              | BWU3632 | BWU3633 | BWU3608                                          | BWU3349                                                                                       |
|----------------------------------------------|--------------------------------------------------------------------------------------|---------|---------|--------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Environment                                  |                                                                                      |         |         |                                                  |                                                                                               |
| Applied standards                            | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                               |         |         |                                                  |                                                                                               |
| Operating altitude                           | max. 2000 m                                                                          |         |         |                                                  |                                                                                               |
| Ambient temperature                          | -30 °C ... +60 °C <sup>(2) (4)</sup>                                                 |         |         | -30 °C ... +60 °C<br>(no condensation permitted) |                                                                                               |
| Storage temperature                          | -25 °C ... +85 °C                                                                    |         |         |                                                  |                                                                                               |
| Housing                                      | plastic, for screw mounting,<br>suitable for cable ducts (≥35 mm installation depth) |         |         |                                                  | plastic, for screw<br>mounting,<br>suitable for cable<br>ducts (≥19 mm<br>installation depth) |
| Pollution degree                             | 2                                                                                    |         |         |                                                  |                                                                                               |
| Protection category                          | IP67 <sup>(5)</sup>                                                                  |         |         |                                                  | IP20                                                                                          |
| Maximum tolerable shock and vibration stress | ≤15g, T≤11 ms<br>10 ... 55 Hz, 0,5 mm amplitude                                      |         |         |                                                  |                                                                                               |
| Insulation voltage                           | ≥500 V                                                                               |         |         |                                                  |                                                                                               |
| Weight                                       | 100 g                                                                                |         |         |                                                  | 50 g                                                                                          |
| Dimensions (W / H / D) in mm                 | 60 / 45 / 35                                                                         |         |         |                                                  | 60 / 45 / 19                                                                                  |

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

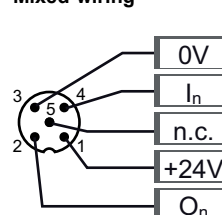
## Single-wiring



## Y-wiring

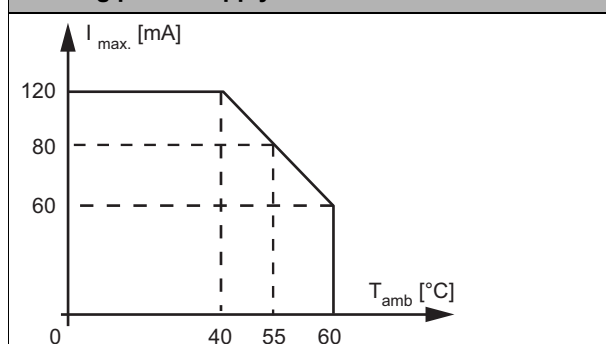


## Mixed-wiring



(2)

## BWU3374, BWU3632, BWU3633 Derating power supply of attached sensors



(3) **see table "Peripheral fault indication"**

(4) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

(5) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

# Active Distributors ASi, IP20/IP67



| Article No.                                              |              | BWU3642                                                                                                                                                                                                                 | BWU3564                                                      | BWU3498                   |
|----------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------|
| General data                                             |              |                                                                                                                                                                                                                         |                                                              |                           |
| Device type                                              |              | input                                                                                                                                                                                                                   |                                                              |                           |
| Connection                                               |              |                                                                                                                                                                                                                         |                                                              |                           |
| ASi/AUX connection                                       |              | profile cable and piercing                                                                                                                                                                                              |                                                              |                           |
| Periphery connection                                     |              | 1 x M12 cable socket, angled, 5 poles                                                                                                                                                                                   | 2 x M12 cable sockets, straight, 5 poles                     |                           |
| M12 wiring <sup>(1)</sup>                                |              | Y wiring                                                                                                                                                                                                                |                                                              |                           |
| Round cable                                              |              | 1 m                                                                                                                                                                                                                     | 0,4 m                                                        |                           |
|                                                          |              | max. allowed tensile strain 10 N                                                                                                                                                                                        |                                                              |                           |
| ASi                                                      |              |                                                                                                                                                                                                                         |                                                              |                           |
| Profile                                                  |              | S-7.A.E (ID1=7 default)                                                                                                                                                                                                 |                                                              |                           |
| Address                                                  |              | 1 AB slave                                                                                                                                                                                                              |                                                              |                           |
| Required Master profile                                  |              | ≥M3                                                                                                                                                                                                                     |                                                              |                           |
| As of ASi specification                                  |              | 2.1                                                                                                                                                                                                                     |                                                              |                           |
| Operating voltage                                        |              | 30 V (18 ... 31.6 V)                                                                                                                                                                                                    |                                                              |                           |
| Max. current consumption                                 |              | 90 mA                                                                                                                                                                                                                   | 35 mA                                                        |                           |
| Max. current consumption without sensor/ actuator supply |              | 40 mA                                                                                                                                                                                                                   | 35 mA                                                        |                           |
| AUX                                                      |              |                                                                                                                                                                                                                         |                                                              |                           |
| Operating voltage                                        |              | –                                                                                                                                                                                                                       | 24 V (18 ... 30 V <sub>DC</sub> )                            |                           |
| Max. current consumption                                 |              | –                                                                                                                                                                                                                       | 1 A                                                          |                           |
| Input                                                    |              |                                                                                                                                                                                                                         |                                                              |                           |
| Number                                                   |              | 2                                                                                                                                                                                                                       | 4                                                            |                           |
| Power supply                                             |              | out of ASi                                                                                                                                                                                                              | out of AUX                                                   |                           |
| Power supply of attached sensors                         | up to +50 °C | 50 mA<br>(up to +55 °C)                                                                                                                                                                                                 | 1 A <sup>(4)</sup>                                           | 1 A                       |
|                                                          | at +60 °C    | –                                                                                                                                                                                                                       |                                                              |                           |
|                                                          | at +70 °C    |                                                                                                                                                                                                                         | 0,5 A <sup>(4)</sup>                                         |                           |
| Switching threshold                                      |              | U<5 V (low)<br>U>15 V (high)                                                                                                                                                                                            |                                                              |                           |
| Display                                                  |              |                                                                                                                                                                                                                         |                                                              |                           |
| LED ASi/FLT (red/green)                                  |              | green: ASi voltage on, slave online<br>green/red: ASi voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(2)</sup><br>off: no ASi voltage |                                                              |                           |
| LED AUX (green)                                          |              | –                                                                                                                                                                                                                       | on: 24 V <sub>DC</sub> AUX<br>off: no 24 V <sub>DC</sub> AUX |                           |
| LEDs I1 ... In (yellow)                                  |              | state of inputs I1, I2                                                                                                                                                                                                  |                                                              | state of inputs I1 ... I4 |

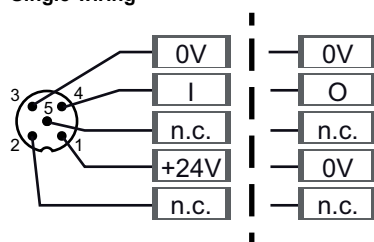
# Active Distributors ASi, IP20/IP67



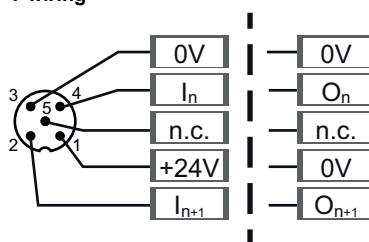
| Article No.                                  | BWU3642                                                                              |                                                                  | BWU3564 | BWU3498                          |
|----------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------|---------|----------------------------------|
| Environment                                  |                                                                                      |                                                                  |         |                                  |
| Applied standards                            | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                               |                                                                  |         |                                  |
| Operating altitude                           | max. 2000 m                                                                          |                                                                  |         |                                  |
| Ambient temperature                          | -30 °C ... +55 °C <sup>(3)</sup> (no condensation permitted)                         | -30 °C ... +70 °C <sup>(3) (4)</sup> (no condensation permitted) |         | -30 °C ... +70 °C <sup>(3)</sup> |
| Storage temperature                          | -25 °C ... +85 °C                                                                    |                                                                  |         |                                  |
| Housing                                      | plastic, for screw mounting,<br>suitable for cable ducts (≥19 mm installation depth) |                                                                  |         |                                  |
| Pollution degree                             | 2                                                                                    |                                                                  |         |                                  |
| Protection category                          | IP67                                                                                 |                                                                  |         |                                  |
| Maximum tolerable shock and vibration stress | ≤15g, T≤11 ms<br>10 ... 55 Hz, 0,5 mm amplitude                                      |                                                                  |         |                                  |
| Insulation voltage                           | ≥ 500 V                                                                              |                                                                  |         |                                  |
| Weight                                       | 100 g                                                                                |                                                                  |         |                                  |
| Dimensions (W / H / D) in mm                 | 60 / 45 / 19                                                                         |                                                                  |         |                                  |

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

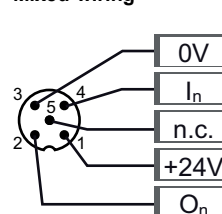
## Single-wiring



## Y-wiring



## Mixed-wiring



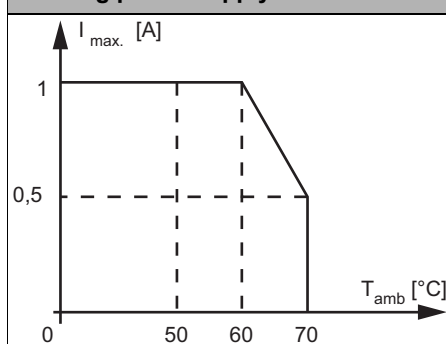
(2) **see table "Peripheral fault indication"**

(3) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

(4)

## BWU3564

### Derating power supply of attached sensors



# Active Distributors ASi, IP20/IP67



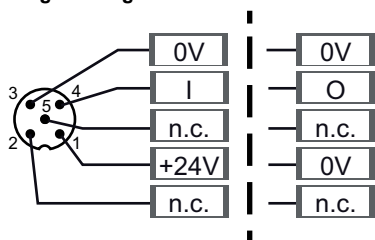
| Article No.                                              |              | BWU3555                                                                                                                                                                                                                 | BW3507                                   | BWU3317                                 | BWU3785                                  | BW3377                                  |
|----------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------------------|
| General data                                             |              |                                                                                                                                                                                                                         |                                          |                                         |                                          |                                         |
| Device type                                              |              | Input/output                                                                                                                                                                                                            |                                          |                                         |                                          |                                         |
| Connection                                               |              |                                                                                                                                                                                                                         |                                          |                                         |                                          |                                         |
| ASi/AUX connection                                       |              | profile cable and piercing                                                                                                                                                                                              |                                          |                                         |                                          |                                         |
| Periphery connection                                     |              | 4 x M8 cable sockets, straight, 4 poles                                                                                                                                                                                 | 2 x M12-cable sockets, straight, 5 poles | 2 x round cable/ connecting wires       | 2 x M12-cable sockets, straight, 5 poles | 1 x M12 cable socket, straight, 8 poles |
| M12 wiring <sup>(1)</sup>                                |              | Y wiring                                                                                                                                                                                                                | –                                        |                                         |                                          |                                         |
| Round cable                                              |              | 0,2 m                                                                                                                                                                                                                   | 1 m                                      | 1 m (including 0,30 m connecting wires) | X1: 0,25 m, X2: 2 m                      | 1 m                                     |
|                                                          |              | max. allowed tensile strain 10 N                                                                                                                                                                                        |                                          |                                         |                                          |                                         |
| ASi                                                      |              |                                                                                                                                                                                                                         |                                          |                                         |                                          |                                         |
| Profile                                                  |              | S-7.A.7<br>(ID1=7 fixed)                                                                                                                                                                                                |                                          |                                         |                                          |                                         |
| Address                                                  |              | 1 AB slave                                                                                                                                                                                                              |                                          |                                         |                                          |                                         |
| Required Master profile                                  |              | ≥M4                                                                                                                                                                                                                     |                                          |                                         |                                          |                                         |
| As of ASi specification                                  |              | 3                                                                                                                                                                                                                       |                                          |                                         |                                          |                                         |
| Operating voltage                                        |              | 30 V (18 ... 31.6 V)                                                                                                                                                                                                    |                                          |                                         |                                          |                                         |
| Max. current consumption                                 |              | 165 mA                                                                                                                                                                                                                  |                                          | 180 mA                                  | 165 mA                                   | 45 mA                                   |
| Max. current consumption without sensor/ actuator supply |              | 45 mA                                                                                                                                                                                                                   |                                          | 60 mA                                   | 45 mA                                    |                                         |
| AUX                                                      |              |                                                                                                                                                                                                                         |                                          |                                         |                                          |                                         |
| Operating voltage                                        |              | 24 V (18 ... 30 V <sub>DC</sub> )                                                                                                                                                                                       |                                          |                                         |                                          |                                         |
| Max. current consumption                                 |              | 3 A                                                                                                                                                                                                                     |                                          |                                         |                                          |                                         |
| Input                                                    |              |                                                                                                                                                                                                                         |                                          |                                         |                                          |                                         |
| Number                                                   |              | 4                                                                                                                                                                                                                       |                                          |                                         | 3                                        | 4                                       |
| Power supply                                             |              | out of ASi                                                                                                                                                                                                              |                                          |                                         | out of AUX                               |                                         |
| Power supply of attached sensors                         | up to +40 °C | 120 mA <sup>(2)</sup>                                                                                                                                                                                                   |                                          |                                         | –                                        |                                         |
|                                                          | at +55 °C    | 80 mA <sup>(2)</sup>                                                                                                                                                                                                    |                                          |                                         |                                          |                                         |
|                                                          | at +60 °C    | 60 mA <sup>(2)</sup>                                                                                                                                                                                                    |                                          |                                         |                                          |                                         |
| Switching threshold                                      |              | U<5 V (low)<br>U>15 V (high)                                                                                                                                                                                            |                                          |                                         |                                          |                                         |
| Output                                                   |              |                                                                                                                                                                                                                         |                                          |                                         |                                          |                                         |
| Number                                                   |              | 4                                                                                                                                                                                                                       |                                          |                                         |                                          |                                         |
| Power supply                                             |              | out of AUX                                                                                                                                                                                                              |                                          |                                         |                                          |                                         |
| Max. output current                                      | up to +40 °C | 1 A per output, $\sum$ (Out) ≤3 A <sup>(3)</sup>                                                                                                                                                                        |                                          |                                         |                                          |                                         |
|                                                          | at +55 °C    | 1 A per output, $\sum$ (Out) ≤2 A <sup>(3)</sup>                                                                                                                                                                        |                                          |                                         |                                          |                                         |
|                                                          | at +60 °C    | 1 A per output, $\sum$ (Out) ≤1,5 A <sup>(3)</sup>                                                                                                                                                                      |                                          |                                         |                                          |                                         |
| Display                                                  |              |                                                                                                                                                                                                                         |                                          |                                         |                                          |                                         |
| LED ASi/FLT (red/green)                                  |              | green: ASi voltage on, slave online<br>green/red: ASi voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(4)</sup><br>off: no ASi voltage |                                          |                                         |                                          |                                         |
| LED AUX (green)                                          |              | on: 24 V <sub>DC</sub> AUX<br>off: no 24 V <sub>DC</sub> AUX                                                                                                                                                            |                                          |                                         |                                          |                                         |
| LEDs I1 ... In (yellow)                                  |              | state of inputs I1 ... I4                                                                                                                                                                                               |                                          |                                         | state of inputs I1 ... I3                | state of inputs I1 ... I4               |
| LED O1 ... On (yellow)                                   |              | state of outputs O1 ... O4                                                                                                                                                                                              |                                          |                                         |                                          |                                         |

# Active Distributors ASi, IP20/IP67

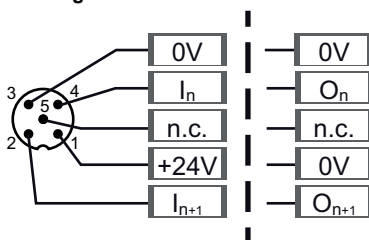
| Article No.                                  | BWU3555                                                                              | BW3507                                                       | BWU3317             | BWU3785 | BW3377 |
|----------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|---------|--------|
| Environment                                  |                                                                                      |                                                              |                     |         |        |
| Applied standards                            | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                               |                                                              |                     |         |        |
| Operating altitude                           | max. 2000 m                                                                          |                                                              |                     |         |        |
| Ambient temperature                          | -30 °C ...<br>+60 °C (2) (3) (5)                                                     | -30 °C ... +60 °C (2) (3) (5)<br>(no condensation permitted) |                     |         |        |
| Storage temperature                          | -25 °C ... +85 °C                                                                    |                                                              |                     |         |        |
| Housing                                      | plastic, for screw mounting,<br>suitable for cable ducts (≥35 mm installation depth) |                                                              |                     |         |        |
| Pollution degree                             | 2                                                                                    |                                                              |                     |         |        |
| Protection category                          | IP67                                                                                 |                                                              | IP67 <sup>(6)</sup> | IP67    |        |
| Maximum tolerable shock and vibration stress | ≤15g, T≤11 ms<br>10 ... 55 Hz, 0,5 mm amplitude                                      |                                                              |                     |         |        |
| Insulation voltage                           | ≥500 V                                                                               |                                                              |                     |         |        |
| Weight                                       | 100 g                                                                                |                                                              |                     |         |        |
| Dimensions (W / H / D) in mm                 | 60 / 45 / 35                                                                         |                                                              |                     |         |        |

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

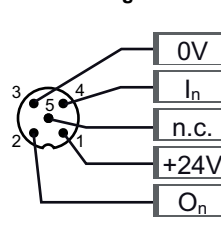
**Single-wiring**



**Y-wiring**

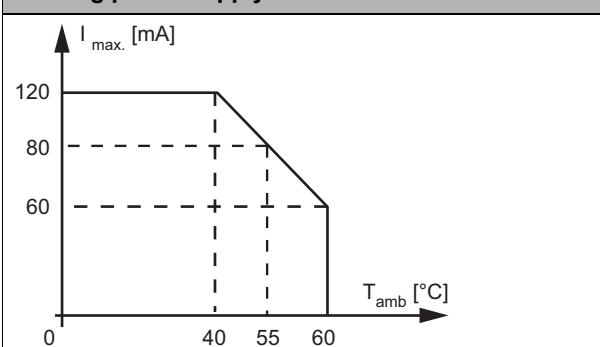


**Mixed-wiring**



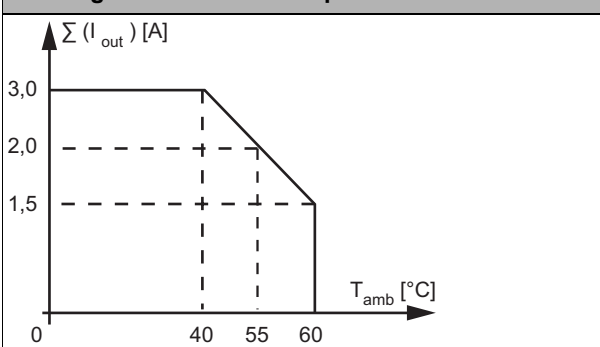
(2)

**BWU3317, BW3507, BWU3555**  
**Derating power supply of attached sensors**



(3)

**BWU3317, BW3507, BWU3555, BWU3785**  
**Derating total current of outputs**



(4) **see table "Peripheral fault indication"**

(5) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

# Active Distributors ASi, IP20/IP67



<sup>(6)</sup> Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

| Article No.                                                 |                 | BWU3534                                                                                                                                                                                                                 |  | BWU3414                                                                                                                                                   |  |
|-------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| General data                                                |                 |                                                                                                                                                                                                                         |  |                                                                                                                                                           |  |
| Device type                                                 |                 | Input/output                                                                                                                                                                                                            |  |                                                                                                                                                           |  |
| Connection                                                  |                 |                                                                                                                                                                                                                         |  |                                                                                                                                                           |  |
| ASi/AUX connection                                          |                 | profile cable and piercing                                                                                                                                                                                              |  |                                                                                                                                                           |  |
| Periphery connection                                        |                 | 1 x M12 cable socket, straight, 5 poles +<br>1 x M12 cable socket, angled, 5 poles                                                                                                                                      |  | 8 x push in terminals; wire section flexible<br>(wire end ferrule without plastic sleeve):<br>min. 0,2 mm <sup>2</sup> ; max. 0,5 mm <sup>2</sup> / AWG20 |  |
| M12 wiring <sup>(1)</sup>                                   |                 | –                                                                                                                                                                                                                       |  |                                                                                                                                                           |  |
| Round cable                                                 |                 | 0,3 m                                                                                                                                                                                                                   |  | –                                                                                                                                                         |  |
|                                                             |                 | max. allowed tensile strain 10 N                                                                                                                                                                                        |  |                                                                                                                                                           |  |
| ASi                                                         |                 |                                                                                                                                                                                                                         |  |                                                                                                                                                           |  |
| Profile                                                     |                 | S-7.A.7<br>(ID1=7 fixed)                                                                                                                                                                                                |  | S-7.A.E<br>(ID1=7 default)                                                                                                                                |  |
| Address                                                     |                 | 1 AB slave                                                                                                                                                                                                              |  |                                                                                                                                                           |  |
| Required Master profile                                     |                 | ≥M4                                                                                                                                                                                                                     |  | ≥M3                                                                                                                                                       |  |
| As of ASi specification                                     |                 | 3                                                                                                                                                                                                                       |  | 2.1                                                                                                                                                       |  |
| Operating voltage                                           |                 | 30 V (18 ... 31.6 V)                                                                                                                                                                                                    |  |                                                                                                                                                           |  |
| Max. current consumption                                    |                 | 165 mA                                                                                                                                                                                                                  |  | 35 mA                                                                                                                                                     |  |
| Max. current consumption<br>without sensor/ actuator supply |                 | 45 mA                                                                                                                                                                                                                   |  | 35 mA                                                                                                                                                     |  |
| AUX                                                         |                 |                                                                                                                                                                                                                         |  |                                                                                                                                                           |  |
| Operating voltage                                           |                 | –                                                                                                                                                                                                                       |  | 24 V (18 ... 30 V <sub>DC</sub> )                                                                                                                         |  |
| Max. current consumption                                    |                 | –                                                                                                                                                                                                                       |  | 1 A                                                                                                                                                       |  |
| Input                                                       |                 |                                                                                                                                                                                                                         |  |                                                                                                                                                           |  |
| Number                                                      |                 | 1                                                                                                                                                                                                                       |  | 3                                                                                                                                                         |  |
| Power supply                                                |                 | out of ASi                                                                                                                                                                                                              |  | out of AUX                                                                                                                                                |  |
| Power supply of<br>attached sensors                         | up to<br>+40 °C | 120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$                                                                                                                                                                       |  | $\sum (In/Out) 1 \text{ A}$                                                                                                                               |  |
|                                                             | at +55 °C       | 80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$                                                                                                                                                                         |  |                                                                                                                                                           |  |
|                                                             | at +60 °C       | 60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$                                                                                                                                                                         |  |                                                                                                                                                           |  |
| Switching threshold                                         |                 | U<5 V (low)<br>U>15 V (high)                                                                                                                                                                                            |  |                                                                                                                                                           |  |
| Output                                                      |                 |                                                                                                                                                                                                                         |  |                                                                                                                                                           |  |
| Number                                                      |                 | 4                                                                                                                                                                                                                       |  | 1                                                                                                                                                         |  |
| Power supply                                                |                 | aus ASi                                                                                                                                                                                                                 |  | out of AUX                                                                                                                                                |  |
| Max. output<br>current                                      | up to<br>+40 °C | 120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$                                                                                                                                                                       |  | 250 mA per output<br>$\sum (In/Out) 1 \text{ A}$                                                                                                          |  |
|                                                             | at +55 °C       | 80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$                                                                                                                                                                         |  |                                                                                                                                                           |  |
|                                                             | at +60 °C       | 60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$                                                                                                                                                                         |  |                                                                                                                                                           |  |
| Display                                                     |                 |                                                                                                                                                                                                                         |  |                                                                                                                                                           |  |
| LED ASi/FLT (red/green)                                     |                 | green: ASi voltage on, slave online<br>green/red: ASi voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(3)</sup><br>off: no ASi voltage |  |                                                                                                                                                           |  |
| LED AUX (green)                                             |                 | –                                                                                                                                                                                                                       |  | on: 24 V <sub>DC</sub> AUX<br>off: no 24 V <sub>DC</sub> AUX                                                                                              |  |
| LEDs I1 ... In (yellow)                                     |                 | state of input I1                                                                                                                                                                                                       |  | state of inputs I1 ... I3                                                                                                                                 |  |
| LED O1 ...On (yellow)                                       |                 | state of outputs O1 ... O4                                                                                                                                                                                              |  | state of output O1                                                                                                                                        |  |

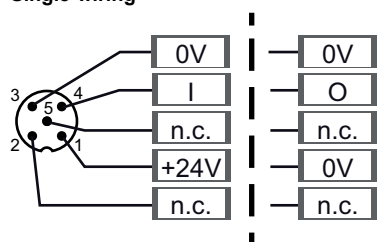
# Active Distributors ASi, IP20/IP67



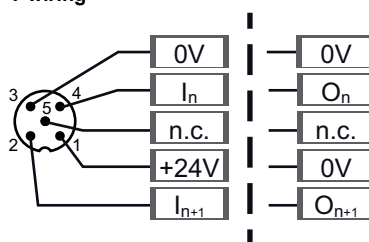
| Article No.                                  | BWU3534                                                                              | BWU3414      |
|----------------------------------------------|--------------------------------------------------------------------------------------|--------------|
| <b>Environment</b>                           |                                                                                      |              |
| Applied standards                            | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                               |              |
| Operating altitude                           | max. 2000 m                                                                          |              |
| Ambient temperature                          | -30 °C ... +60 °C <sup>(2) (3) (5)</sup><br>(no condensation permitted)              |              |
| Storage temperature                          | -25 °C ... +85 °C                                                                    |              |
| Housing                                      | plastic, for screw mounting,<br>suitable for cable ducts (≥35 mm installation depth) |              |
| Pollution degree                             | 2                                                                                    |              |
| Protection category                          | IP67                                                                                 | IP20         |
| Maximum tolerable shock and vibration stress | ≤15g, T≤11 ms<br>10 ... 55 Hz, 0,5 mm amplitude                                      |              |
| Insulation voltage                           | ≥500 V                                                                               |              |
| Weight                                       | 100 g                                                                                | 50 g         |
| Dimensions (W / H / D) in mm                 | 60 / 45 / 35                                                                         | 60 / 45 / 19 |

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

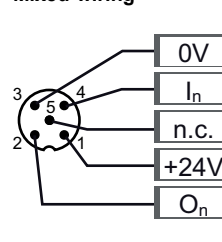
**Single-wiring**



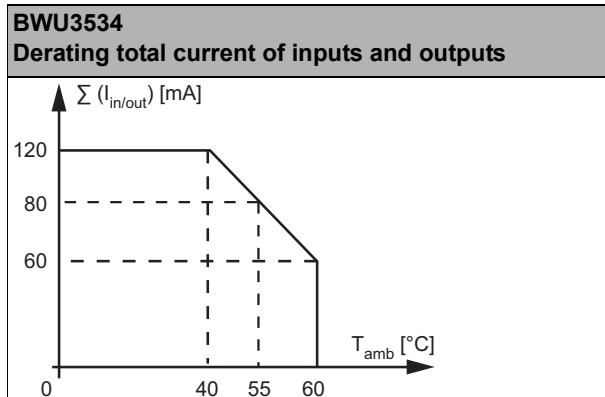
**Y-wiring**



**Mixed-wiring**



(2)



(3) see table "Peripheral fault indication"

| Article No.               | BWU3577                                |  | BWU3695                                                                                                  |  |
|---------------------------|----------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|
| General data              |                                        |  |                                                                                                          |  |
| Device type               | input/output                           |  |                                                                                                          |  |
| Connection                |                                        |  |                                                                                                          |  |
| ASi/AUX connection        | profile cable and piercing             |  |                                                                                                          |  |
| Periphery connection      | 6 x M8 cable sockets, straight,4 poles |  | 2 x M12 cable sockets, straight, 5 poles (inputs) +<br>2 x M8 cable sockets, straight, 3 poles (outputs) |  |
| M12 wiring <sup>(1)</sup> | —                                      |  |                                                                                                          |  |
| Round cable               | I: 0,15 m,<br>O: 0,50 m                |  | I: 0,20 m<br>O: 0,40 m                                                                                   |  |
|                           | max. allowed tensile strain 10 N       |  |                                                                                                          |  |

# Active Distributors ASi, IP20/IP67

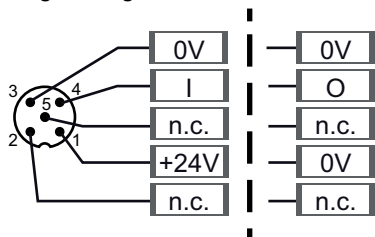


| Article No.                                              |              | BWU3577                                                                                                                                                                                                                 |  | BWU3695                   |  |
|----------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|--|
| ASI                                                      |              |                                                                                                                                                                                                                         |  |                           |  |
| Profile                                                  |              | S-7.A.7 (ID1=7 fixed)                                                                                                                                                                                                   |  | S-7.A.E (ID1=7 default)   |  |
| Address                                                  |              | 1 AB slave                                                                                                                                                                                                              |  |                           |  |
| Required Master profile                                  |              | ≥M4                                                                                                                                                                                                                     |  | ≥M3                       |  |
| As of ASI specification                                  |              | 3                                                                                                                                                                                                                       |  | 2.1                       |  |
| Operating voltage                                        |              | 30 V (18 ... 31.6 V)                                                                                                                                                                                                    |  |                           |  |
| Max. current consumption                                 |              | 245 mA                                                                                                                                                                                                                  |  |                           |  |
| Max. current consumption without sensor/ actuator supply |              | 45 mA                                                                                                                                                                                                                   |  |                           |  |
| Input                                                    |              |                                                                                                                                                                                                                         |  |                           |  |
| Number                                                   |              | 4                                                                                                                                                                                                                       |  | 2                         |  |
| Power supply                                             |              | out of ASI                                                                                                                                                                                                              |  |                           |  |
| Power supply of attached sensors                         | up to +40 °C | 200 mA, $\sum$ (In/Out) ≤200 mA <sup>(2)</sup>                                                                                                                                                                          |  |                           |  |
|                                                          | at +55 °C    | 80 mA, $\sum$ (In/Out) ≤80 mA <sup>(2)</sup>                                                                                                                                                                            |  |                           |  |
|                                                          | at +60 °C    | 60 mA, $\sum$ (In/Out) ≤60 mA <sup>(2)</sup>                                                                                                                                                                            |  |                           |  |
| Switching threshold                                      |              | U<5 V (low)<br>U>15 V (high)                                                                                                                                                                                            |  |                           |  |
| Output                                                   |              |                                                                                                                                                                                                                         |  |                           |  |
| Number                                                   |              | 2                                                                                                                                                                                                                       |  |                           |  |
| Power supply                                             |              | out of ASI                                                                                                                                                                                                              |  |                           |  |
| Max. output current                                      | up to +40 °C | 200 mA, $\sum$ (In/Out) ≤200 mA <sup>(2)</sup>                                                                                                                                                                          |  |                           |  |
|                                                          | at +55 °C    | 80 mA, $\sum$ (In/Out) ≤80 mA <sup>(2)</sup>                                                                                                                                                                            |  |                           |  |
|                                                          | at +60 °C    | 60 mA, $\sum$ (In/Out) ≤60 mA <sup>(2)</sup>                                                                                                                                                                            |  |                           |  |
| Display                                                  |              |                                                                                                                                                                                                                         |  |                           |  |
| LED ASI/FLT (red/green)                                  |              | green: ASI voltage on, slave online<br>green/red: ASI voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(3)</sup><br>off: no ASI voltage |  |                           |  |
| LEDs I1 ... In (yellow)                                  |              | state of inputs I1 ... I4                                                                                                                                                                                               |  | state of inputs I1 ... I2 |  |
| LED O1 ...On (yellow)                                    |              | state of outputs O1, O2                                                                                                                                                                                                 |  |                           |  |
| Environment                                              |              |                                                                                                                                                                                                                         |  |                           |  |
| Applied standards                                        |              | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                                                                                                                                                                  |  |                           |  |
| Operating altitude                                       |              | max. 2000 m                                                                                                                                                                                                             |  |                           |  |
| Ambient temperature                                      |              | -30 °C ... +60 °C <sup>(2)</sup> <sup>(4)</sup> <sup>(6)</sup> (no condensation permitted)                                                                                                                              |  |                           |  |
| Storage temperature                                      |              | -25 °C ... +85 °C                                                                                                                                                                                                       |  |                           |  |
| Housing                                                  |              | plastic, for screw mounting,<br>suitable for cable ducts (≥35 mm installation depth)                                                                                                                                    |  |                           |  |
| Pollution degree                                         |              | 2                                                                                                                                                                                                                       |  |                           |  |
| Protection category                                      |              | IP67 <sup>(5)</sup>                                                                                                                                                                                                     |  |                           |  |
| Maximum tolerable shock and vibration stress             |              | ≤15g, T≤11 ms<br>10 ... 55 Hz, 0,5 mm amplitude                                                                                                                                                                         |  |                           |  |
| Insulation voltage                                       |              | ≥500 V                                                                                                                                                                                                                  |  |                           |  |
| Weight                                                   |              | 100 g                                                                                                                                                                                                                   |  |                           |  |
| Dimensions (W / H / D) in mm                             |              | 60 / 45 / 35                                                                                                                                                                                                            |  |                           |  |

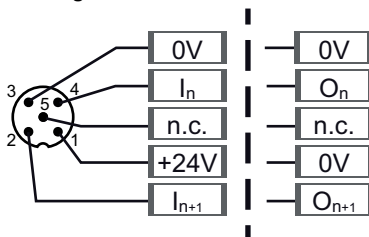
# Active Distributors ASi, IP20/IP67

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

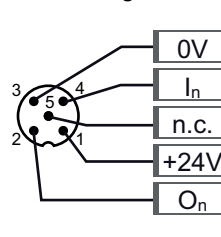
**Single-wiring**



**Y-wiring**

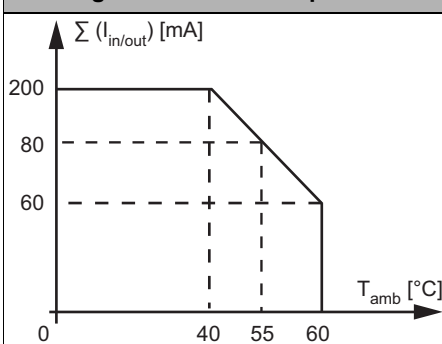


**Mixed-wiring**



(2)

**BWU3577, BWU3695**  
**Derating total current of inputs and outputs**



(3) **see table "Peripheral fault indication"**

(4) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

(5) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

| Article No.                                                 | BWU3326                                       | BW3500                               | BWU3606 | BWU3639                                     | BWU3400                                       |
|-------------------------------------------------------------|-----------------------------------------------|--------------------------------------|---------|---------------------------------------------|-----------------------------------------------|
| General data                                                |                                               |                                      |         |                                             |                                               |
| Device type                                                 | input/output                                  |                                      |         |                                             |                                               |
| Connection                                                  |                                               |                                      |         |                                             |                                               |
| ASi/AUX connection                                          | profile cable and piercing                    |                                      |         |                                             |                                               |
| Periphery connection                                        | 2 x round cable/<br>connecting wires          | 1 x round cable/<br>connecting wires |         | 1 x M12 cable<br>socket, angled,<br>8 poles | 1 x M12 cable<br>socket, straight,<br>8 poles |
| M12 wiring <sup>(1)</sup>                                   | —                                             |                                      |         |                                             |                                               |
| Round cable                                                 | 1 m (including<br>0,30 m connecting<br>wires) | 5 m                                  | 2 m     | 0,3 m                                       | 1 m                                           |
|                                                             | max. allowed tensile strain 10 N              |                                      |         |                                             |                                               |
| ASi                                                         |                                               |                                      |         |                                             |                                               |
| Profile                                                     | S-7.A.7<br>(ID1=7 fixed)                      |                                      |         | S-7.A.0<br>(ID1=7 default)                  | S-7.A.E<br>(ID1=7 default)                    |
| Address                                                     | 1 AB slave                                    |                                      |         |                                             |                                               |
| Required Master profile                                     | ≥M4                                           |                                      |         |                                             | ≥M3                                           |
| As of ASi specification                                     | 3                                             |                                      |         |                                             | 2.1                                           |
| Operating voltage                                           | 30 V (18 ... 31.6 V)                          |                                      |         |                                             |                                               |
| Max. current consumption                                    | 200 mA                                        | 165 mA                               | 245 mA  | 165 mA                                      | 90 mA                                         |
| Max. current consumption<br>without sensor/ actuator supply | 80 mA                                         | 45 mA                                | 45 mA   | 45 mA                                       | 40 mA                                         |

# Active Distributors ASi, IP20/IP67



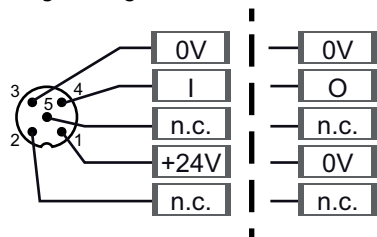
| Article No.                                  |              | BWU3326                                                                                                                                                                                                                 | BW3500                                            | BWU3606                                           | BWU3639                                  | BWU3400                                                                              |
|----------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------|
| Input                                        |              |                                                                                                                                                                                                                         |                                                   |                                                   |                                          |                                                                                      |
| Number                                       |              | 4                                                                                                                                                                                                                       |                                                   |                                                   | 1                                        | 2                                                                                    |
| Power supply                                 |              | out of ASi                                                                                                                                                                                                              |                                                   |                                                   |                                          |                                                                                      |
| Power supply of attached sensors             | up to +40 °C | 120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$                                                                                                                                                                       | 200 mA, $\sum (In/Out) \leq 200 \text{ mA}^{(6)}$ | 120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$ | 50 mA $\sum (In/Out) \leq 50 \text{ mA}$ |                                                                                      |
|                                              | at +55 °C    | 80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$                                                                                                                                                                         | 80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(6)}$   | 80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$   |                                          |                                                                                      |
|                                              | at +60 °C    | 60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$                                                                                                                                                                         | 60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(6)}$   | 60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$   | –                                        |                                                                                      |
| Switching threshold                          |              | U<5 V (low)<br>U>15 V (high)                                                                                                                                                                                            |                                                   |                                                   |                                          |                                                                                      |
| Output                                       |              |                                                                                                                                                                                                                         |                                                   |                                                   |                                          |                                                                                      |
| Number                                       |              | 4                                                                                                                                                                                                                       |                                                   |                                                   | 3                                        | 2                                                                                    |
| Power supply                                 |              | out of ASi                                                                                                                                                                                                              |                                                   |                                                   |                                          |                                                                                      |
| Max. output current                          | up to +40 °C | 120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$                                                                                                                                                                       | 200 mA, $\sum (In/Out) \leq 200 \text{ mA}^{(6)}$ | 120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$ | 50 mA $\sum (In/Out) \leq 50 \text{ mA}$ |                                                                                      |
|                                              | at +55 °C    | 80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2) (6)}$                                                                                                                                                                     |                                                   |                                                   |                                          |                                                                                      |
|                                              | at +60 °C    | 60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2) (6)}$                                                                                                                                                                     |                                                   |                                                   |                                          | –                                                                                    |
| Display                                      |              |                                                                                                                                                                                                                         |                                                   |                                                   |                                          |                                                                                      |
| LED ASI/FLT (red/green)                      |              | green: ASi voltage on, slave online<br>green/red: ASi voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(3)</sup><br>off: no ASi voltage |                                                   |                                                   |                                          |                                                                                      |
| LEDs I1 ... In (yellow)                      |              | state of inputs I1 ... I4                                                                                                                                                                                               |                                                   |                                                   | state of input I1                        | state of inputs I1, I2                                                               |
| LED O1 ...On (yellow)                        |              | state of outputs O1 ... O4                                                                                                                                                                                              |                                                   |                                                   | state of outputs O1 ... O3               | state of outputs O1, O2                                                              |
| Environment                                  |              |                                                                                                                                                                                                                         |                                                   |                                                   |                                          |                                                                                      |
| Applied standards                            |              | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                                                                                                                                                                  |                                                   |                                                   |                                          |                                                                                      |
| Operating altitude                           |              | max. 2000 m                                                                                                                                                                                                             |                                                   |                                                   |                                          |                                                                                      |
| Ambient temperature                          |              | -30 °C ... +60 °C <sup>(2) (4) (5)</sup><br>(no condensation permitted)                                                                                                                                                 |                                                   |                                                   |                                          | -30 °C ...+55 °C <sup>(4)</sup><br>(no condensation permitted)                       |
| Storage temperature                          |              | -25 °C ... +85 °C                                                                                                                                                                                                       |                                                   |                                                   |                                          |                                                                                      |
| Housing                                      |              | plastic, for screw mounting,<br>suitable for cable ducts (≥35 mm installation depth)                                                                                                                                    |                                                   |                                                   |                                          | plastic, for screw mounting,<br>suitable for cable ducts (≥19 mm installation depth) |
| Pollution degree                             |              | 2                                                                                                                                                                                                                       |                                                   |                                                   |                                          |                                                                                      |
| Protection category                          |              | IP67 <sup>(5)</sup>                                                                                                                                                                                                     |                                                   |                                                   |                                          |                                                                                      |
| Maximum tolerable shock and vibration stress |              | ≤15g, T≤11 ms<br>10 ... 55 Hz, 0,5 mm amplitude                                                                                                                                                                         |                                                   |                                                   |                                          |                                                                                      |
| Insulation voltage                           |              | ≥500 V                                                                                                                                                                                                                  |                                                   |                                                   |                                          |                                                                                      |
| Weight                                       |              | 100 g                                                                                                                                                                                                                   |                                                   |                                                   |                                          |                                                                                      |
| Dimensions (W / H / D) in mm                 |              | 60 / 45 / 35                                                                                                                                                                                                            |                                                   |                                                   |                                          | 60 / 45 / 19                                                                         |

# Active Distributors ASi, IP20/IP67

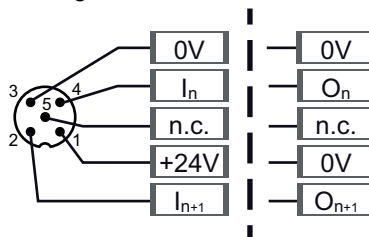


- (1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

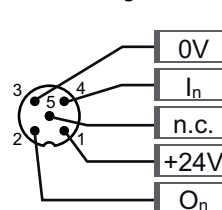
**Single-wiring**



**Y-wiring**

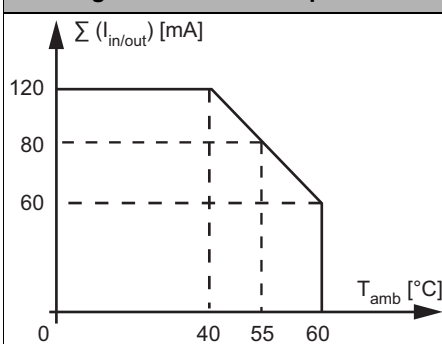


**Mixed-wiring**



- (2)

## BWU3326, BW3500, BWU3639 Derating total current of inputs and outputs



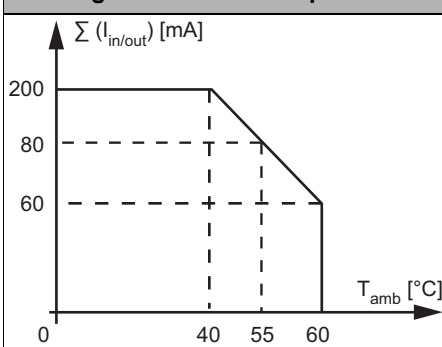
- (3) see table "Peripheral fault indication"

- (4) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

- (5) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

- (6)

## BWU3606 Derating total current of inputs and outputs



| Article No.          | BWU3607                                 |
|----------------------|-----------------------------------------|
| <b>General data</b>  |                                         |
| Device type          | input/output                            |
| <b>Connection</b>    |                                         |
| ASi/AUX connection   | profile cable and piercing              |
| Periphery connection | 1 x round cable/connecting wires        |
| Round cable          | 3 m (including 0,10 m connecting wires) |
|                      | max. allowed tensile strain 10 N        |

# Active Distributors ASi, IP20/IP67

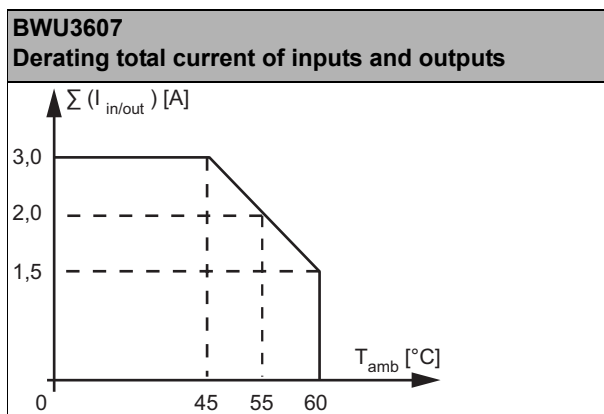


|                                                          |              |                                                                                                                                                                                                                         |
|----------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Article No.</b>                                       |              | <b>BWU3607</b>                                                                                                                                                                                                          |
| <b>ASi</b>                                               |              |                                                                                                                                                                                                                         |
| Profile                                                  |              | S-7.A.7 (ID1=7 fixed)                                                                                                                                                                                                   |
| Address                                                  |              | 1 AB slave                                                                                                                                                                                                              |
| Required Master profile                                  |              | ≥M4                                                                                                                                                                                                                     |
| As of ASi specification                                  |              | 3                                                                                                                                                                                                                       |
| Operating voltage                                        |              | 30 V (18 ... 31.6 V)                                                                                                                                                                                                    |
| Max. current consumption                                 |              | 45 mA                                                                                                                                                                                                                   |
| Max. current consumption without sensor/ actuator supply |              | 45 mA                                                                                                                                                                                                                   |
| <b>AUX</b>                                               |              |                                                                                                                                                                                                                         |
| Operating voltage                                        |              | 24 V (18 ... 30 V <sub>DC</sub> )                                                                                                                                                                                       |
| Max. current consumption                                 |              | 3 A                                                                                                                                                                                                                     |
| <b>Input</b>                                             |              |                                                                                                                                                                                                                         |
| Number                                                   |              | 2                                                                                                                                                                                                                       |
| Power supply                                             |              | out of AUX                                                                                                                                                                                                              |
| Power supply of attached sensors                         | up to +45 °C | $\sum(\text{In/Out}) \leq 3 \text{ A}^{(1)}$                                                                                                                                                                            |
|                                                          | at +55 °C    | $\sum(\text{In/Out}) \leq 2 \text{ A}^{(1)}$                                                                                                                                                                            |
|                                                          | at +60 °C    | $\sum(\text{In/Out}) \leq 1,5 \text{ A}^{(1)}$                                                                                                                                                                          |
| Switching threshold                                      |              | U<5 V (low)<br>U>15 V (high)                                                                                                                                                                                            |
| <b>Output</b>                                            |              |                                                                                                                                                                                                                         |
| Number                                                   |              | 2                                                                                                                                                                                                                       |
| Power supply                                             |              | out of AUX                                                                                                                                                                                                              |
| Max. output current                                      | up to +45 °C | 1 A $\sum(\text{In/Out}) \leq 3 \text{ A}^{(1)}$                                                                                                                                                                        |
|                                                          | at +55 °C    | 1 A $\sum(\text{In/Out}) \leq 2 \text{ A}^{(1)}$                                                                                                                                                                        |
|                                                          | at +60 °C    | 1 A $\sum(\text{In/Out}) \leq 1,5 \text{ A}^{(1)}$                                                                                                                                                                      |
| <b>Display</b>                                           |              |                                                                                                                                                                                                                         |
| LED ASi/FLT (red/green)                                  |              | green: ASi voltage on, slave online<br>green/red: ASi voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(2)</sup><br>off: no ASi voltage |
| LED AUX (green)                                          |              | on: 24 V <sub>DC</sub> AUX<br>off: no 24 V <sub>DC</sub> AUX                                                                                                                                                            |
| LEDs I1 ... In (yellow)                                  |              | state of inputs I1 ... I4                                                                                                                                                                                               |
| LED O1 ... On (yellow)                                   |              | state of outputs O1 ... O4                                                                                                                                                                                              |
| <b>Environment</b>                                       |              |                                                                                                                                                                                                                         |
| Applied standards                                        |              | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                                                                                                                                                                  |
| Operating altitude                                       |              | max. 2000 m                                                                                                                                                                                                             |
| Ambient temperature                                      |              | -30 °C ... +60 °C (no condensation permitted)                                                                                                                                                                           |
| Storage temperature                                      |              | -25 °C ... +85 °C                                                                                                                                                                                                       |
| Housing                                                  |              | plastic, for screw mounting, suitable for cable ducts (≥35 mm installation depth)                                                                                                                                       |
| Pollution degree                                         |              | 2                                                                                                                                                                                                                       |
| Protection category                                      |              | IP67 <sup>(3)</sup>                                                                                                                                                                                                     |
| Maximum tolerable shock and vibration stress             |              | ≤15g, T≤11 ms, 10 ... 55 Hz, 0,5 mm amplitude                                                                                                                                                                           |
| Insulation voltage                                       |              | ≥500 V                                                                                                                                                                                                                  |
| Weight                                                   |              | 100 g                                                                                                                                                                                                                   |
| Dimensions (W / H / D) in mm                             |              | 60 / 45 / 35                                                                                                                                                                                                            |

# Active Distributors ASi, IP20/IP67



(1)



(2) see table "Peripheral fault indication"

(3) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67.

| Article No.                                                 |                 | BWU3342                                                                                                                                                           | BW3300                               | BWU3487 | BWU4087                                    |
|-------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------|--------------------------------------------|
| General data                                                |                 |                                                                                                                                                                   |                                      |         |                                            |
| Device type                                                 |                 | output                                                                                                                                                            |                                      |         |                                            |
| Connection                                                  |                 |                                                                                                                                                                   |                                      |         |                                            |
| ASi/AUX connection                                          |                 | profile cable and piercing                                                                                                                                        |                                      |         |                                            |
| Periphery connection                                        |                 | 8 x push in terminals;<br>wire section flexible<br>(wire end ferrule without<br>plastic sleeve): min.<br>0,2 mm <sup>2</sup> ;<br>max. 0,5 mm <sup>2</sup> /AWG20 | 1 x round cable/<br>connecting wires |         | 1 x M12 cable socket,<br>straight, 5 poles |
| M12 wiring <sup>(1)</sup>                                   |                 | –                                                                                                                                                                 |                                      |         |                                            |
| Round cable                                                 |                 | –                                                                                                                                                                 | 1 m                                  | 5 m     | 2 m                                        |
|                                                             |                 | max. allowed tensile strain 10 N                                                                                                                                  |                                      |         |                                            |
| ASi                                                         |                 |                                                                                                                                                                   |                                      |         |                                            |
| Profile                                                     |                 | S-7.A.7 (ID1=7 fixed)                                                                                                                                             |                                      |         |                                            |
| Address                                                     |                 | 1 AB slave                                                                                                                                                        |                                      |         |                                            |
| Required Master profile                                     |                 | ≥M4                                                                                                                                                               |                                      |         |                                            |
| As of ASi specification                                     |                 | 3.0                                                                                                                                                               |                                      |         |                                            |
| Operating voltage                                           |                 | 30 V (18 ... 31.6 V)                                                                                                                                              |                                      |         |                                            |
| Max. current consumption                                    |                 | 35 mA                                                                                                                                                             |                                      |         |                                            |
| Max. current consumption<br>without sensor/ actuator supply |                 | 35 mA                                                                                                                                                             |                                      |         |                                            |
| AUX                                                         |                 |                                                                                                                                                                   |                                      |         |                                            |
| Operating voltage                                           |                 | 24 V (18 ... 30 V <sub>DC</sub> )                                                                                                                                 |                                      |         |                                            |
| Max. current consumption                                    |                 | 1 A                                                                                                                                                               |                                      |         |                                            |
| Output                                                      |                 |                                                                                                                                                                   |                                      |         |                                            |
| Number                                                      |                 | 4                                                                                                                                                                 |                                      |         |                                            |
| Power supply                                                |                 | out of AUX                                                                                                                                                        |                                      |         |                                            |
| Max. output<br>current                                      | up to<br>+50 °C | 250 mA per output,<br>Σ (Out) 1 A                                                                                                                                 |                                      |         |                                            |
|                                                             | at +60 °C       |                                                                                                                                                                   |                                      |         |                                            |
|                                                             | at +70 °C       |                                                                                                                                                                   |                                      |         |                                            |

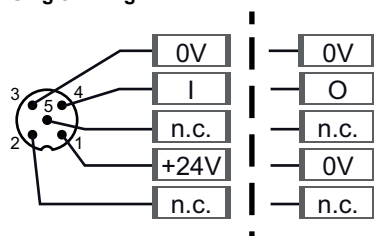
# Active Distributors ASi, IP20/IP67



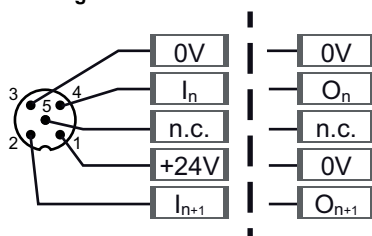
| Article No.                                  | BWU3342                                                                                                                                                                                                                 | BW3300              | BWU3487 | BWU4087 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------|---------|
| Display                                      |                                                                                                                                                                                                                         |                     |         |         |
| LED ASI/FLT (red/green)                      | green: ASi voltage on, slave online<br>green/red: ASi voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(2)</sup><br>off: no ASi voltage |                     |         |         |
| LED AUX (green)                              | on: 24 V <sub>DC</sub> AUX<br>off: no 24 V <sub>DC</sub> AUX                                                                                                                                                            |                     |         |         |
| LED O1 ...On (yellow)                        | state of outputs O1 ... O4                                                                                                                                                                                              |                     |         |         |
| Environment                                  |                                                                                                                                                                                                                         |                     |         |         |
| Applied standards                            | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                                                                                                                                                                  |                     |         |         |
| Operating altitude                           | max. 2000 m                                                                                                                                                                                                             |                     |         |         |
| Ambient temperature                          | -30 °C ... +70 °C (no condensation permitted)                                                                                                                                                                           |                     |         |         |
| Storage temperature                          | -25 °C ... +85 °C                                                                                                                                                                                                       |                     |         |         |
| Housing                                      | plastic, for screw mounting,<br>suitable for cable ducts (≥19 mm installation depth)                                                                                                                                    |                     |         |         |
| Pollution degree                             | 2                                                                                                                                                                                                                       |                     |         |         |
| Protection category                          | IP20                                                                                                                                                                                                                    | IP67 <sup>(3)</sup> |         |         |
| Maximum tolerable shock and vibration stress | ≤15g, T≤11 ms<br>10 ... 55 Hz, 0,5 mm amplitude                                                                                                                                                                         |                     |         |         |
| Insulation voltage                           | ≥ 500 V                                                                                                                                                                                                                 |                     |         |         |
| Weight                                       | 50 g                                                                                                                                                                                                                    | 100 g               |         |         |
| Dimensions (W / H / D) in mm                 | 60 / 45 / 19                                                                                                                                                                                                            |                     |         |         |

<sup>(1)</sup> **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

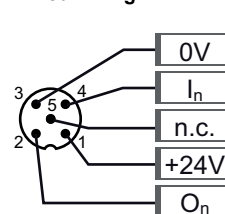
## Single-wiring



## Y-wiring



## Mixed-wiring



<sup>(2)</sup> see table "Peripheral fault indication"

<sup>(3)</sup> Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

| Article No.               | BW3250                                 | BWU3497                                  | BWU3628                                                                                       | BWU3602                            |
|---------------------------|----------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
| General data              |                                        |                                          |                                                                                               |                                    |
| Device type               | input/output                           |                                          |                                                                                               |                                    |
| Connection                |                                        |                                          |                                                                                               |                                    |
| ASi/AUX connection        | profile cable and piercing             |                                          |                                                                                               |                                    |
| Periphery connection      | 2 x M12 cable sockets, angled, 5 poles | 2 x M12 cable sockets, straight, 5 poles | inputs: 1 x M12 cable sockets, straight, 5 poles + outputs: 1 x round cable / connecting wire | 2 x round cable / connecting wires |
| M12 wiring <sup>(1)</sup> | 1 x Y wiring+ 1 x mixed wiring         | Y wiring                                 |                                                                                               | –                                  |
| Round cable               | 1 m                                    | 0,4 m                                    | I: 0,4 m<br>O: 1,5 m                                                                          | 1 m                                |
|                           | allowed tensile strain 10 N            |                                          |                                                                                               |                                    |

# Active Distributors ASi, IP20/IP67



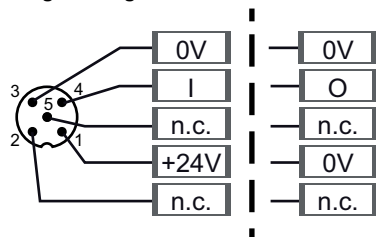
| Article No.                                              |              | BW3250                                                                                                                                                                                                                  | BWU3497                        | BWU3628 | BWU3602                                         |
|----------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------|-------------------------------------------------|
| ASi                                                      |              |                                                                                                                                                                                                                         |                                |         |                                                 |
| Profile                                                  |              | S-7.A.E (ID1=7 default)                                                                                                                                                                                                 |                                |         |                                                 |
| Address                                                  |              | 1 AB slave                                                                                                                                                                                                              |                                |         |                                                 |
| Required Master profile                                  |              | ≥M3                                                                                                                                                                                                                     |                                |         |                                                 |
| As of ASi specification                                  |              | 2.1                                                                                                                                                                                                                     |                                |         |                                                 |
| Operating voltage                                        |              | 30 V (18 ... 31.6 V)                                                                                                                                                                                                    |                                |         |                                                 |
| Max. current consumption                                 |              | 35 mA                                                                                                                                                                                                                   |                                |         |                                                 |
| Max. current consumption without sensor/ actuator supply |              | 35 mA                                                                                                                                                                                                                   |                                |         |                                                 |
| AUX                                                      |              |                                                                                                                                                                                                                         |                                |         |                                                 |
| Operating voltage                                        |              | 24 V (18 ... 30 V <sub>DC</sub> )                                                                                                                                                                                       |                                |         |                                                 |
| Max. current consumption                                 |              | 2 A                                                                                                                                                                                                                     | 1 A                            |         |                                                 |
| Input                                                    |              |                                                                                                                                                                                                                         |                                |         |                                                 |
| Number                                                   |              | 2                                                                                                                                                                                                                       |                                |         |                                                 |
| Power supply                                             |              | out of AUX                                                                                                                                                                                                              |                                |         |                                                 |
| Power supply of attached sensors                         | up to +50 °C | 1 A <sup>(2)</sup>                                                                                                                                                                                                      | Σ(In/Out) 1 A <sup>(6)</sup>   |         |                                                 |
|                                                          | at +60 °C    |                                                                                                                                                                                                                         |                                |         |                                                 |
|                                                          | at +70 °C    | 0,5 A <sup>(2)</sup>                                                                                                                                                                                                    | Σ(In/Out) 0,5 A <sup>(6)</sup> |         |                                                 |
| Switching threshold                                      |              | U<5 V (low)<br>U>15 V (high)                                                                                                                                                                                            |                                |         |                                                 |
| Output                                                   |              |                                                                                                                                                                                                                         |                                |         |                                                 |
| Number                                                   |              | 1                                                                                                                                                                                                                       | 2                              |         |                                                 |
| Power supply                                             |              | out of AUX                                                                                                                                                                                                              |                                |         |                                                 |
| Max. output current                                      | up to +50 °C | 1 A <sup>(3)</sup>                                                                                                                                                                                                      | Σ(In/Out) 1 A <sup>(6)</sup>   |         |                                                 |
|                                                          | at +60 °C    |                                                                                                                                                                                                                         |                                |         |                                                 |
|                                                          | at +70 °C    | 0,5 A <sup>(3)</sup>                                                                                                                                                                                                    | Σ(In/Out) 0,5 A <sup>(6)</sup> |         |                                                 |
| Display                                                  |              |                                                                                                                                                                                                                         |                                |         |                                                 |
| LED ASi/FLT (red/green)                                  |              | green: ASi voltage on, slave online<br>green/red: ASi voltage on, but slave offline<br>green flashing/red: address 0<br>alternating green flashing/red flashing: peripheral fault <sup>(4)</sup><br>off: no ASi voltage |                                |         |                                                 |
| LED AUX (green)                                          |              | on: 24 V <sub>DC</sub> AUX<br>off: no 24 V <sub>DC</sub> AUX                                                                                                                                                            |                                |         |                                                 |
| LEDs I1 ... In (yellow)                                  |              | state of inputs I1, I2                                                                                                                                                                                                  |                                |         |                                                 |
| LED O1 ...On (yellow)                                    |              | state of output O1                                                                                                                                                                                                      | state of outputs O1, O2        |         |                                                 |
| Environment                                              |              |                                                                                                                                                                                                                         |                                |         |                                                 |
| Applied standards                                        |              | EN 61000-6-2<br>EN 61000-6-3<br>EN 61131-2<br>EN 60529                                                                                                                                                                  |                                |         |                                                 |
| Operating altitude                                       |              | max. 2000 m                                                                                                                                                                                                             |                                |         |                                                 |
| Ambient temperature                                      |              | -30 °C ... +70 °C <sup>(2)</sup> <sup>(3)</sup> <sup>(5)</sup> <sup>(6)</sup><br>(no condensation permitted)                                                                                                            |                                |         | -30 °C ... +70 °C <sup>(6)</sup> <sup>(5)</sup> |
| Storage temperature                                      |              | -25 °C ... +85 °C                                                                                                                                                                                                       |                                |         |                                                 |
| Housing                                                  |              | plastic, for screw mounting,<br>suitable for cable ducts (≥19 mm installation depth)                                                                                                                                    |                                |         |                                                 |
| Pollution degree                                         |              | 2                                                                                                                                                                                                                       |                                |         |                                                 |
| Protection category                                      |              | IP67                                                                                                                                                                                                                    |                                |         |                                                 |
| Maximum tolerable shock and vibration stress             |              | ≤15g, T≤11 ms<br>10 ... 55 Hz, 0,5 mm amplitude                                                                                                                                                                         |                                |         |                                                 |
| Insulation voltage                                       |              | ≥ 500 V                                                                                                                                                                                                                 |                                |         |                                                 |
| Weight                                                   |              | 100 g                                                                                                                                                                                                                   |                                |         |                                                 |
| Dimensions (W / H / D) in mm                             |              | 60 / 45 / 19                                                                                                                                                                                                            |                                |         |                                                 |

# Active Distributors ASi, IP20/IP67

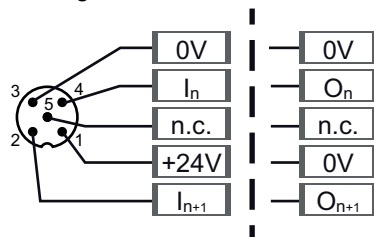


- (1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

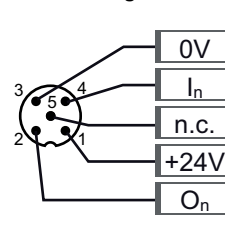
**Single-wiring**



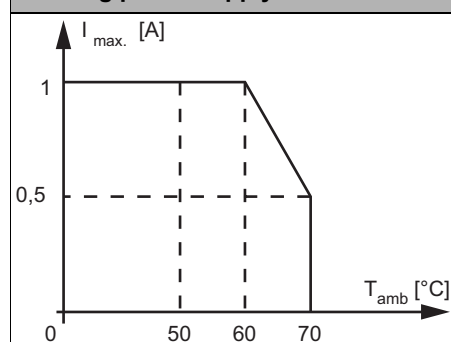
**Y-wiring**



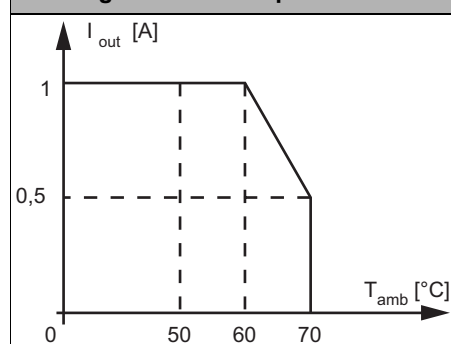
**Mixed-wiring**



- (2) **BW3250**  
**Derating power supply of attached sensors**

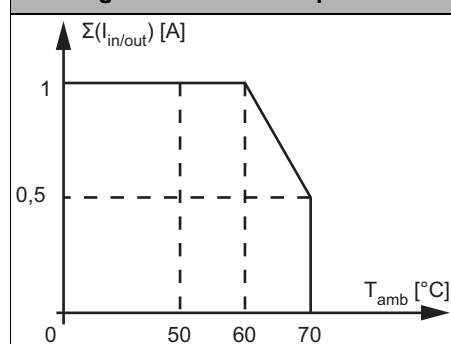


- (3) **BW3250**  
**Derating current of output**



- (4) see table "Peripheral fault indication"  
(5) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

- (6) **BWU3497, BWU3602, BWU3628**  
**Derating total current of inputs and outputs**



## Active Distributors ASi, IP20/IP67



### UL-specifications (UL61010)

BW3250, BW3300, BWU3317, BWU3326, BWU3342, BWU3349, BWU3374, BW3377, BWU3400, BWU3414, BWU3487, BWU3497, BWU348, BW3500, BW3507, BWU3534, BWU3555, BWU3564, BWU3577, BWU3602, BWU3606, BWU3607, BWU3608, BWU3628, BWU3632, BWU3633, BWU3639, BWU3642, BWU3695, BWU3785

|                     |                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| External protection | An isolated source with a secondary open circuit voltage of $\leq 30 V_{DC}$ with a 3 A maximum over current protection. Over current protection is not required when a Class 2 source is employed. |
| In general          | UL mark does not provide UL certification for any functional safety rating or aspects of the above devices.                                                                                         |

| Article no. | Peripheral fault indication |                        |                     |
|-------------|-----------------------------|------------------------|---------------------|
|             | Overload sensor supply      | Output short circuited | AUX voltage missing |
| BW3250      | •                           | •                      | •                   |
| BW3300      | –                           | •                      | •                   |
| BWU3317     | •                           | –                      | •                   |
| BWU3326     | •                           | –                      | –                   |
| BWU3342     | –                           | •                      | •                   |
| BWU3349     | •                           | –                      | •                   |
| BWU3374     | •                           | –                      | –                   |
| BW3377      | –                           | –                      | •                   |
| BWU3400     | •                           | •                      | –                   |
| BWU3414     | •                           | •                      | •                   |
| BWU3487     | –                           | •                      | •                   |
| BWU3497     | •                           | •                      | •                   |
| BWU3498     | •                           | –                      | •                   |
| BW3500      | •                           | –                      | –                   |
| BW3507      | •                           | –                      | •                   |
| BWU3534     | •                           | –                      | –                   |
| BWU3555     | •                           | –                      | •                   |
| BWU3564     | •                           | –                      | •                   |
| BWU3577     | •                           | –                      | –                   |
| BWU3602     | •                           | •                      | •                   |
| BWU3606     | •                           | –                      | –                   |
| BWU3607     | –                           | –                      | •                   |
| BWU3608     | –                           | –                      | •                   |
| BWU3628     | •                           | •                      | •                   |
| BWU3632     | •                           | –                      | –                   |
| BWU3633     | •                           | –                      | –                   |
| BWU3639     | •                           | –                      | –                   |
| BWU3642     | •                           | –                      | –                   |
| BWU3695     | •                           | –                      | –                   |
| BWU3785     | –                           | –                      | •                   |
| BWU4087     | –                           | •                      | •                   |

# Active Distributors ASi, IP20/IP67



| Programming                                                                                                                                 | ASi bit assignment |    |    |    |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|----|----|
|                                                                                                                                             | D3                 | D2 | D1 | D0 |
|                                                                                                                                             | input              |    |    |    |
| BWU3534, BWU3639                                                                                                                            | I4                 | –  | –  | –  |
| BW3250, BWU3400,<br>BWU3497, BWU3564,<br>BWU3602, BWU3607,<br>BWU3628, BWU3642,<br>BWU3695                                                  | –                  | –  | I2 | I1 |
| BWU3414, BWU3785                                                                                                                            | –                  | I3 | I2 | I1 |
| BWU3317, BWU3326,<br>BWU3349, BWU3374,<br>BW3377, BWU3498,<br>BW3500, BW3507,<br>BWU3555, BWU3577,<br>BWU3606, BWU3608,<br>BWU3632, BWU3633 | I4                 | I3 | I2 | I1 |
|                                                                                                                                             | output             |    |    |    |
| BW3250, BWU3414                                                                                                                             | –                  | –  | –  | O1 |
| BWU3400, BWU3497,<br>BWU3577, BWU3602,<br>BWU3607, BWU3628,<br>BWU3695                                                                      | –                  | –  | O2 | O1 |
| BWU3639                                                                                                                                     | –                  | O3 | O2 | O1 |
| BW3300, BWU3317,<br>BWU3326, BWU3342,<br>BW3377, BWU3487,<br>BW3500, BW3507,<br>BWU3534, BWU3555,<br>BWU3606, BWU3785                       | O4                 | O3 | O2 | O1 |

| Programming                                                                                                            | ASi bit assignment |                                          |                                                         |                                      |
|------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------|---------------------------------------------------------|--------------------------------------|
|                                                                                                                        | parameter bit      |                                          |                                                         |                                      |
|                                                                                                                        | P3                 | P2                                       | P1                                                      | P0                                   |
| BW3250, BWU3317,<br>BW3377, BWU3414,<br>BWU3497, BW3507,<br>BWU3555, BWU3564,<br>BWU3602, BWU3608,<br>BWU3628, BWU3785 | not used           | 0= on / 1= off<br>(synchronous I/O mode) | 0= off / 1= on<br>(peripheral fault,<br>if AUX missing) | 0= off / 1= on<br>(Watchdog)         |
| BW3300, BWU3326,<br>BWU3342, BWU3487,<br>BW3500, BWU4087                                                               |                    |                                          | not used                                                |                                      |
| BWU3374, BWU3400,<br>BWU3534, BWU3577,<br>BWU3606, BWU3607,<br>BWU3633, BWU3639,<br>BWU3695                            |                    |                                          | 0= on / 1= off<br>(data input filter 128 µs)            |                                      |
| BWU3349, BWU3498                                                                                                       |                    |                                          |                                                         | 0= off / 1= on<br>(peripheral fault) |
| BWU3632, BWU3642                                                                                                       |                    |                                          |                                                         | not used                             |

# Active Distributors ASi, IP20/IP67



## Pin assignment

| Signal name               | Explanation                                                                 |
|---------------------------|-----------------------------------------------------------------------------|
| Ix                        | digital input x                                                             |
| Ox                        | digital output x                                                            |
| 24V <sub>ext out</sub>    | power supply, out of external voltage, positive pole (AUX, actuator supply) |
| 0V <sub>ext out</sub>     | power supply, out of external voltage, negative pole (AUX, actuator supply) |
| 24V <sub>out of ASi</sub> | power supply, out of ASi, positive pole (sensor supply)                     |
| 0V <sub>out of ASi</sub>  | power supply, out of ASi, negative pole (sensor supply)                     |
| ASi +, ASi -              | connection to ASi bus                                                       |
| n.c. (not connected)      | not connected                                                               |

| Connections: round cable/connecting wires |         |                    |                                |                           |    |                                |                    |    |    |                   |                    |  |
|-------------------------------------------|---------|--------------------|--------------------------------|---------------------------|----|--------------------------------|--------------------|----|----|-------------------|--------------------|--|
| Article no.                               | connec. | BN                 | WH                             | BU                        | BK | PK                             | GY                 | RD | GN | YE                | OG                 |  |
| BWU3374                                   | X1      | 24 V<br>out of ASi | I4                             | 0 V <sub>out of ASi</sub> | I3 | —                              | —                  | —  | —  | —                 | —                  |  |
|                                           | X2      | 24 V<br>out of ASi | I2                             | 0 V <sub>out of ASi</sub> | I1 | —                              | —                  | —  | —  | —                 | —                  |  |
| BW3300 /<br>BWU3487                       | X1      | O1                 | 0 V <sub>1</sub><br>ext.out    | O2                        | O3 | 0 V <sub>2</sub><br>ext.out    | O4                 | —  | —  | —                 | —                  |  |
|                                           | X2      | O1                 | 0 V <sub>2</sub><br>ext.out    | O2                        | O3 | 0 V <sub>3</sub><br>ext.out    | O4                 | —  | —  | —                 | —                  |  |
| BWU3317                                   | X1      | I1                 | I2                             | I3                        | I4 | 0 V <sub>1</sub><br>out of ASi | 24 V<br>out of ASi | —  | —  | —                 | —                  |  |
|                                           | X2      | O1                 | 0 V <sub>2</sub><br>ext.out    | O2                        | O3 | 0 V <sub>3</sub><br>ext.out    | O4                 | —  | —  | —                 | —                  |  |
| BWU3326                                   | X1      | I1                 | I2                             | I3                        | I4 | 0 V <sub>1</sub><br>out of ASi | 24 V<br>out of ASi | —  | —  | —                 | —                  |  |
|                                           | X2      | O1                 | 0 V <sub>2</sub><br>out of ASi | O2                        | O3 | 0 V <sub>3</sub><br>out of ASi | O4                 | —  | —  | —                 | —                  |  |
| BW3500 /<br>BWU3606                       | X1      | I1                 | I2                             | I3                        | I4 | O4                             | O3                 | O1 | O2 | 0 V<br>out of ASi | 24 V<br>out of ASi |  |
|                                           | X2      | O1                 | 0 V <sub>2</sub><br>ext.out    | O2                        | O3 | O4                             | O3                 | O1 | O2 | 0 V<br>ext.out    | 24 V<br>ext.out    |  |
| BWU3602                                   | X1      | 24 V<br>ext out    | I2                             | 0 V<br>ext out            | I1 | —                              | —                  | —  | —  | —                 | —                  |  |
|                                           | X2      | 24 V<br>ext out    | O2                             | 0 V<br>ext out            | O1 | —                              | —                  | —  | —  | —                 | —                  |  |

# Active Distributors ASi, IP20/IP67



| Connections: round cable/connecting wires |                        |                                                                                                                             |      |                           |      |      |    |    |    |    |    |
|-------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------|------|---------------------------|------|------|----|----|----|----|----|
| Article no.                               | connec.                | BN                                                                                                                          | WH   | BU                        | BK   | PK   | GY | RD | GN | YE | OG |
| BWU3607                                   | X1                     | 24 V<br>ext out                                                                                                             | I1   | 0 V <sub>ext</sub><br>out | O1   | I2   | O2 | –  | –  | –  | –  |
|                                           |                        | The reference potential of sensors/actors has to be connected with the reference potential of the active distributor (AUX). |      |                           |      |      |    |    |    |    |    |
| BWU3608                                   | X1                     | 24 V<br>ext out                                                                                                             | –    | 0 V<br>ext out            | I2   |      |    |    |    |    |    |
|                                           | X3                     | 24 V<br>ext out                                                                                                             | –    | 0 V<br>ext out            | I1   |      |    |    |    |    |    |
|                                           | X4                     | 24 V<br>ext out                                                                                                             | –    | 0 V<br>ext out            | I3   | –    | –  | –  | –  | –  | –  |
|                                           | M8<br>connec-<br>tion  | Pin1                                                                                                                        | Pin2 | Pin3                      | Pin4 |      |    |    |    |    |    |
|                                           | X2                     | 24 V<br>ext out                                                                                                             | n.c. | 0 V<br>ext out            | I4   |      |    |    |    |    |    |
| BWU3628                                   | X2                     | 24 V<br>ext out                                                                                                             | O2   | 0 V<br>ext out            | O1   | –    | –  | –  | –  | –  | –  |
|                                           | M12<br>connec-<br>tion | Pin1                                                                                                                        | Pin2 | Pin3                      | Pin4 | Pin5 |    |    |    |    |    |
|                                           | X1                     | 24 V<br>ext out                                                                                                             | I2   | 0 V<br>ext out            | I1   | n.c. |    |    |    |    |    |

| Connections: M8 cable sockets, straight, 4 poles |                  |                    |      |                   |      |
|--------------------------------------------------|------------------|--------------------|------|-------------------|------|
| Article no.                                      | M8<br>connection | Pin1               | Pin2 | Pin3              | Pin4 |
| BWU3555                                          | X1               | 24V<br>out of ASi  | I4   | 0V<br>out of ASi  | I3   |
|                                                  | X2               | n.c.               | O4   | 0 V<br>ext out    | O3   |
|                                                  | X3               | 24V<br>out of ASi  | I2   | 0V<br>out of ASi  | I1   |
|                                                  | X4               | n.c.               | O2   | 0 V<br>ext out    | O1   |
| BWU3577                                          | X1               | 24 V<br>out of ASi | n.c. | 0 V<br>out of ASi | I3   |
|                                                  | X2               | 24 V<br>out of ASi | n.c. | 0 V<br>out of ASi | I4   |
|                                                  | X3               | 24 V<br>out of ASi | n.c. | 0 V<br>out of ASi | I1   |
|                                                  | X4               | 24 V<br>out of ASi | n.c. | 0 V<br>out of ASi | I2   |
|                                                  | X5               | n.c.               | n.c. | 0 V<br>out of ASi | O1   |
|                                                  | X6               | n.c.               | n.c. | 0 V<br>out of ASi | O2   |

# Active Distributors ASi, IP20/IP67



| Connections: M8, M12 cable sockets |                |                   |      |                  |      |      |
|------------------------------------|----------------|-------------------|------|------------------|------|------|
| Article no.                        | M12 connection | Pin1              | Pin2 | Pin3             | Pin4 | Pin5 |
| BW3695                             | X1             | 24V<br>out of ASi | n.c. | 0V<br>out of ASi | I1   | n.c. |
|                                    | X3             | 24V<br>out of ASi | n.c. | 0V<br>out of ASi | I2   | n.c. |
|                                    | M8 connection  | Pin1              | –    | Pin3             | Pin4 | –    |
|                                    | X2             | n.c.              | –    | 0V<br>out of ASi | O1   | –    |
|                                    | X4             | n.c.              | –    | 0V<br>out of ASi | O2   | –    |

| Connections: M12 cable sockets, straight, 5 poles |                |                   |      |                  |      |      |
|---------------------------------------------------|----------------|-------------------|------|------------------|------|------|
| Article no.                                       | M12 connection | Pin1              | Pin2 | Pin3             | Pin4 | Pin5 |
| BWU3633                                           | X1             | 24V<br>out of ASi | n.c. | 0V<br>out of ASi | I3   | n.c. |
|                                                   | X2             | 24V<br>out of ASi | n.c. | 0V<br>out of ASi | I4   | n.c. |
|                                                   | X3             | 24V<br>out of ASi | n.c. | 0V<br>out of ASi | I1   | n.c. |
|                                                   | X4             | 24V<br>out of ASi | n.c. | 0V<br>out of ASi | I2   | n.c. |

| Connections: M12 cable sockets, straight/angled, 5 poles |                |                         |                |                        |      |                    |
|----------------------------------------------------------|----------------|-------------------------|----------------|------------------------|------|--------------------|
| Article no.                                              | M12 connection | Pin1                    | Pin2           | Pin3                   | Pin4 | Pin5               |
| BW3250                                                   | X1             | 24 V <sub>ext</sub> out | I2             | 0 V <sub>ext</sub> out | I1   | n.c.               |
|                                                          | X2             | 24 V <sub>ext</sub> out | O1             | 0 V <sub>ext</sub> out | I1   | n.c.               |
| BW3507                                                   | X1             | I1                      | I2             | I3                     | I4   | 24 V<br>out of ASi |
|                                                          | X2             | O1                      | 0 V<br>ext out | O2                     | O3   | O4                 |
| BWU3497                                                  | X1             | 24 V <sub>ext</sub> out | I2             | 0 V <sub>ext</sub> out | I1   | n.c.               |
|                                                          | X2             | 24 V <sub>ext</sub> out | O2             | 0 V <sub>ext</sub> out | O1   | n.c.               |
| BWU3785                                                  | X1             | 24 V<br>out of AUX      | I2             | 0 V <sub>ext</sub> out | I1   | I3                 |
|                                                          | X2             | O2                      | O3             | 0 V <sub>ext</sub> out | O1   | O4                 |

# Active Distributors ASi, IP20/IP67



| Connections: M12 cable sockets, straight/angled, 5 poles                                                                    |                  |                    |      |                   |      |      |  |
|-----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------|-------------------|------|------|--|
| Article no.                                                                                                                 | M12 connection   | Pin1               | Pin2 | Pin3              | Pin4 | Pin5 |  |
| BWU3498                                                                                                                     | X1               | 24 V<br>ext out    | I2   | 0 V<br>ext out    | I1   | n.c. |  |
|                                                                                                                             | X2               | 24 V<br>ext out    | I4   | 0 V<br>ext out    | I3   | n.c. |  |
| BWU3534                                                                                                                     | X1<br>(straight) | 24 V<br>out of ASi | O4   | 0 V<br>out of ASi | I4   | n.c. |  |
|                                                                                                                             | X2<br>(angled)   | O3                 | O1   | 0 V<br>out of ASi | O2   | n.c. |  |
| BWU3642                                                                                                                     | X1               | 24 V<br>out of ASi | I2   | 0 V<br>out of ASi | I1   | n.c. |  |
| BWU3564                                                                                                                     | X1               | 24 V<br>ext out    | I2   | 0 V<br>ext out    | I1   | n.c. |  |
| BWU4087                                                                                                                     | X1               | O2                 | O3   | 0 V<br>ext out    | O1   | O4   |  |
| The reference potential of sensors/actors has to be connected with the reference potential of the active distributor (AUX). |                  |                    |      |                   |      |      |  |
| BWU3632                                                                                                                     | X1               | 24V<br>out of ASi  | n.c. | 0V<br>out of ASi  | I2   | n.c. |  |
|                                                                                                                             | X2               | 24V<br>out of ASi  | n.c. | 0V<br>out of ASi  | I4   | n.c. |  |
|                                                                                                                             | X3               | 24V<br>out of ASi  | n.c. | 0V<br>out of ASi  | I1   | n.c. |  |
|                                                                                                                             | X4               | 24V<br>out of ASi  | n.c. | 0V<br>out of ASi  | I3   | n.c. |  |

| Connections:: M12 cable sockets, straight, 8 poles |               |               |                    |                   |              |              |              |              |               |
|----------------------------------------------------|---------------|---------------|--------------------|-------------------|--------------|--------------|--------------|--------------|---------------|
| Article no.                                        | M8 connection | Pin1<br>(---) | Pin2<br>(BN)       | Pin3<br>(WH)      | Pin4<br>(BK) | Pin5<br>(GY) | Pin6<br>(PK) | Pin7<br>(BU) | Pin8<br>(---) |
| BWU3400                                            | X1            | n.c.          | 24 V<br>out of ASi | 0 V<br>out of ASi | I1           | I2           | O1           | O2           | n.c.          |
|                                                    |               |               |                    |                   |              |              |              |              |               |

# Active Distributors ASi, IP20/IP67



## Connections: M12 cable sockets, straight/angled, 8 poles

| Article no. | connection | Pin1<br>(WH) | Pin2<br>(BN) | Pin3<br>(GN) | Pin4<br>(YE) | Pin5<br>(GY) | Pin6<br>(PK) | Pin7<br>(BU) | Pin8<br>(RD) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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|-------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| BW3377      | X1         | I1           | I2           | I3           | I4           | O1           | O2           | O3           | O4           | <div><div><div>ASI -</div><div>AUX -</div></div><div><p>Diagram of BW3377 distributor. It shows a top view with a central rotary switch. The switch has positions for 1 M, 2 M, 3 M, 4 M, 5 M, 6 M, 7 M, 8 M, 9 M, 10 M, 11 M, 12 M, 13 M, 14 M, 15 M, 16 M, 17 M, 18 M, 19 M, 20 M, 21 M, 22 M, 23 M, 24 M, 25 M, 26 M, 27 M, 28 M, 29 M, 30 M, 31 M, 32 M, 33 M, 34 M, 35 M, 36 M, 37 M, 38 M, 39 M, 40 M, 41 M, 42 M, 43 M, 44 M, 45 M, 46 M, 47 M, 48 M, 49 M, 50 M, 51 M, 52 M, 53 M, 54 M, 55 M, 56 M, 57 M, 58 M, 59 M, 60 M, 61 M, 62 M, 63 M, 64 M, 65 M, 66 M, 67 M, 68 M, 69 M, 70 M, 71 M, 72 M, 73 M, 74 M, 75 M, 76 M, 77 M, 78 M, 79 M, 80 M, 81 M, 82 M, 83 M, 84 M, 85 M, 86 M, 87 M, 88 M, 89 M, 90 M, 91 M, 92 M, 93 M, 94 M, 95 M, 96 M, 97 M, 98 M, 99 M, 100 M. The switch is currently set to 1 M. The terminal block X1 is connected to the switch. The diagram also shows the ASi and AUX connections. The ASi connection is a yellow terminal block. The AUX connection is a black terminal block. The diagram also shows the pinout for the ASi and AUX connections. The ASi connection has pins 1 to 14. The AUX connection has pins 1 to 14. The diagram also shows the pinout for the ASi and AUX connections. The ASi connection has pins 1 to 14. The AUX connection has pins 1 to 14. The diagram also shows the pinout for the ASi and AUX connections. The ASi connection has pins 1 to 14. The AUX connection has pins 1 to 14. The diagram also shows the pinout for the ASi and AUX connections. The ASi connection has pins 1 to 14. The AUX connection has pins 1 to 14. The diagram also shows the pinout for the ASi and AUX connections. The ASi connection has pins 1 to 14. The AUX connection has pins 1 to 14. The diagram also shows the pinout for the ASi and AUX connections. The ASi connection has pins 1 to 14. The AUX connection has pins 1 to 14. 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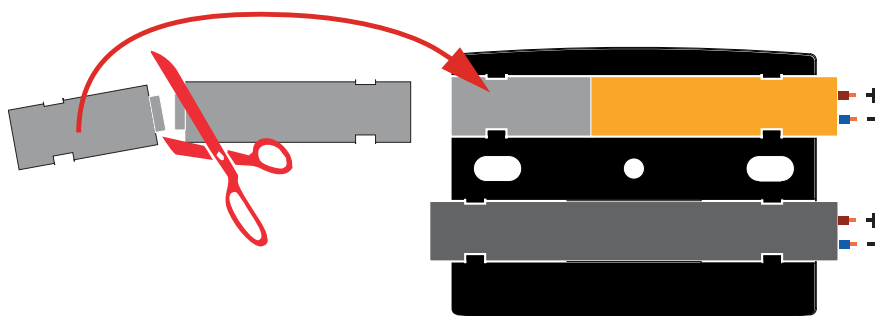
## Connections: push in terminals

| Article no. | X1.1 | X1.2             | X1.3 | X1.4                        | X1.5                         | X1.6                        | X1.7                         | X1.8                        |  |
|-------------|------|------------------|------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|--|
| BWU3349     | I1   | I2               | I3   | I4                          | 24 V <sub>1</sub><br>ext.out | 0 V <sub>1</sub><br>ext.out | 24 V <sub>2</sub><br>ext.out | 0 V <sub>2</sub><br>ext.out |  |
| BWU3342     | O1   | 0 V<br>1 ext out | O2   | 0 V <sub>2</sub><br>ext out | O3                           | 0 V <sub>3</sub><br>ext out | O4                           | 0 V <sub>4</sub><br>ext out |  |
| BWU3414     | I1   | I2               | I3   | O1                          | 24 V <sub>1</sub><br>ext.out | 0 V <sub>1</sub><br>ext.out | 24 V <sub>2</sub><br>ext.out | 0 V <sub>2</sub><br>ext.out |  |

## Line termination with sealing profile



max. IP54



## Accessories:

- Sealing profile IP67 (IDC plug), 60 mm (art. no. BW3282)
- ASi addressing cable with M12 connector, connecting cable for handheld ASi address programming devices for the addressing of active distributors (art. no. BW3304)
- ASi addressing cable with COMBICON connector, connecting cable for ASi Master/Gateways for the addressing of active distributors (art. no. BW3305)



# SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

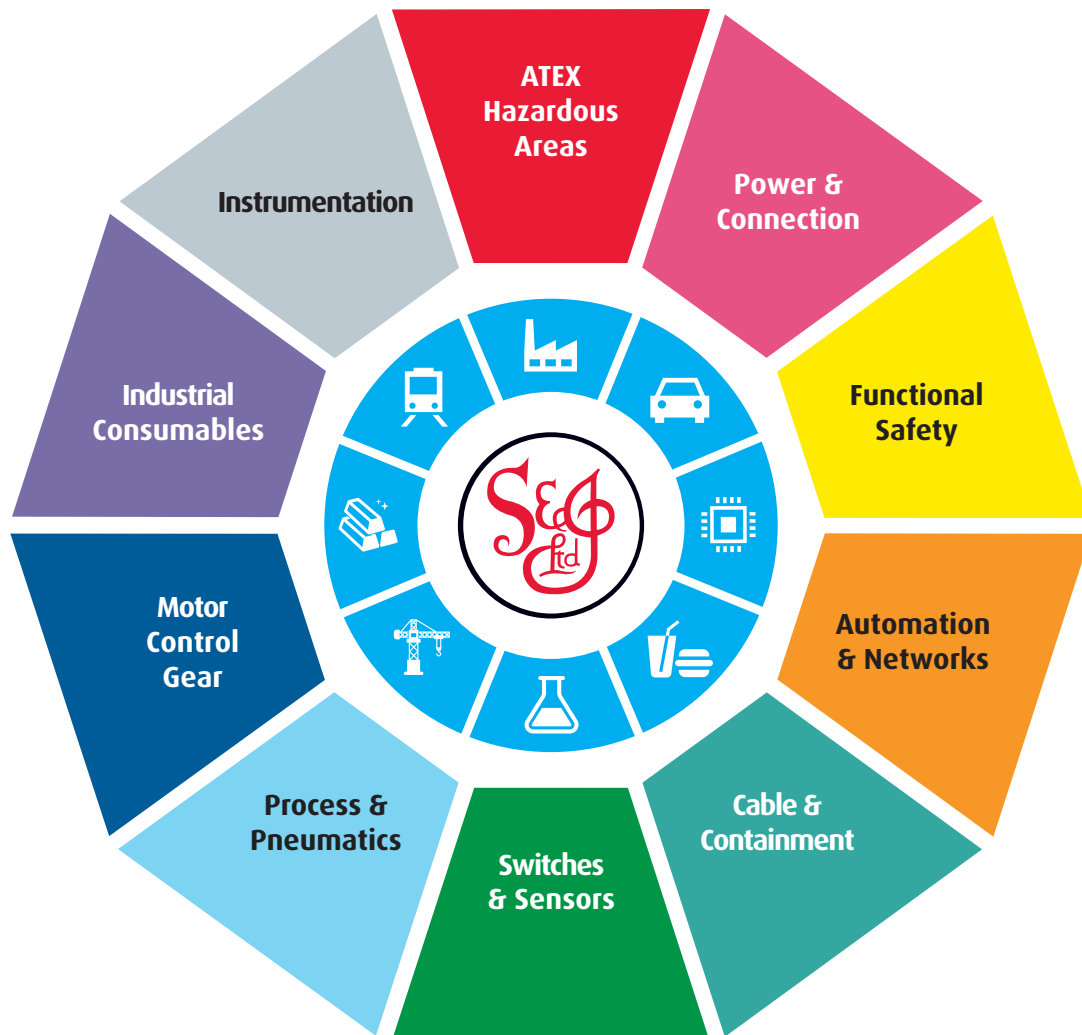
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We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

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