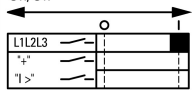
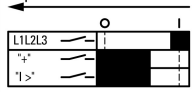
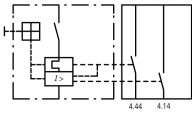

**Trip indicator switch, 2N/O, screw connection**

**Part no.** AGM2-10-PKZ0  
**Catalog No.** 072898  
**Alternate Catalog No.** XTPAXSATR20  
**EL-Nummer (Norway)** 4355133

## Delivery program

|                                                                                 |  |                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product range                                                                   |  | Accessories                                                                                                                                                                                                                              |
| Accessories                                                                     |  | Trip-indicating auxiliary contacts<br><br>Differential status indication<br>a) General trip indication (overload)<br>b) Short-circuit release<br>Short-circuits indicated locally by means of a red indicator that can be manually reset |
| <b>Contacts</b>                                                                 |  |                                                                                                                                                                                                                                          |
| N/O = Normally open                                                             |  | 2 x 1 N/O                                                                                                                                                                                                                                |
| Contact diagram                                                                 |  | <br>                                                              |
| Contact sequence                                                                |  |                                                                                                                                                      |
| For use with                                                                    |  | Trip indicator PKZ0(4), PKE                                                                                                                                                                                                              |
| For use with                                                                    |  | PKZM0<br>PKZM4<br>PKZM0-T<br>PKM0<br>PKZM01<br>PKE                                                                                                                                                                                       |
| Can be combined with auxiliary contact                                          |  | NHI11-PKZ0<br>NHI12-PKZ0<br>NHI21-PKZ0<br>NHI-E-...                                                                                                                                                                                      |
| <b>Notes</b> Can be fitted to the right of:<br>Motor protective circuit-breaker |  |                                                                                                                                                                                                                                          |

## Technical data

### Auxiliary contacts

|                                              |           |      |       |
|----------------------------------------------|-----------|------|-------|
| Rated impulse withstand voltage              | $U_{imp}$ | V AC | 6000  |
| Overvoltage category/pollution degree        |           |      | III/3 |
| Rated operational voltage                    | $U_e$     | V    |       |
|                                              | $U_e$     | V DC | 250   |
| Safe isolation to EN 61140                   |           |      |       |
| Between auxiliary contacts and main contacts |           | V AC | 690   |
| Rated operational current                    | $I_e$     | A    |       |
| AC-15                                        |           |      |       |

|                                      |                |                   |                                                                                                                                                  |
|--------------------------------------|----------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 220 - 240 V                          | I <sub>e</sub> | A                 | 3.5                                                                                                                                              |
| 380 - 415 V                          | I <sub>e</sub> | A                 | 2                                                                                                                                                |
| 440 V 500 V                          | I <sub>e</sub> | A                 | 1                                                                                                                                                |
| DC-13 L/R - 100 ms                   |                |                   |                                                                                                                                                  |
| 24 V                                 | I <sub>e</sub> | A                 | 2                                                                                                                                                |
| 60 V                                 | I <sub>e</sub> | A                 | 1                                                                                                                                                |
| 110 V                                | I <sub>e</sub> | A                 | 0.5                                                                                                                                              |
| 220 V                                | I <sub>e</sub> | A                 | 0.25                                                                                                                                             |
| Lifespan                             |                | S                 |                                                                                                                                                  |
| Lifespan, mechanical                 | Operations     | x 10 <sup>6</sup> | > 0.01                                                                                                                                           |
| Lifespan, electrical                 | Operations     | x 10 <sup>6</sup> | 0.05                                                                                                                                             |
| Control circuit reliability          | Failure rate   | λ                 | <10 <sup>-8</sup> , < one failure at 100 million operations<br>(at U <sub>e</sub> = 24 V DC, U <sub>min</sub> = 17 V, I <sub>min</sub> = 5.4 mA) |
| Short-circuit rating without welding |                |                   |                                                                                                                                                  |
| Fuseless                             |                | Type              | FAZ-B4/1-HI                                                                                                                                      |
| Fuse                                 |                | A gG/gL           | 10                                                                                                                                               |

### Terminal capacities

|                                           |  |                 |            |
|-------------------------------------------|--|-----------------|------------|
| Solid or flexible conductor, with ferrule |  | mm <sup>2</sup> | 0,75 - 2,5 |
| Solid or stranded                         |  | AWG             | 18 - 14    |

### Rating data for approved types

|             |  |   |      |
|-------------|--|---|------|
| Pilot Duty  |  |   |      |
| AC operated |  |   | A600 |
| DC operated |  |   | Q300 |
| General Use |  |   |      |
| AC          |  | V | 600  |
| AC          |  | A | 5    |
| DC          |  | V | 250  |
| DC          |  | A | 1    |

## Design verification as per IEC/EN 61439

|                                                                                                                        |                   |    |                                                                    |
|------------------------------------------------------------------------------------------------------------------------|-------------------|----|--------------------------------------------------------------------|
| Technical data for design verification                                                                                 |                   |    |                                                                    |
| Rated operational current for specified heat dissipation                                                               | I <sub>n</sub>    | A  | 3.5                                                                |
| Heat dissipation per pole, current-dependent                                                                           | P <sub>vid</sub>  | W  | 0.1                                                                |
| Equipment heat dissipation, current-dependent                                                                          | P <sub>vid</sub>  | W  | 0                                                                  |
| Static heat dissipation, non-current-dependent                                                                         | P <sub>vs</sub>   | W  | 0                                                                  |
| Heat dissipation capacity                                                                                              | P <sub>diss</sub> | W  | 0                                                                  |
| Operating ambient temperature min.                                                                                     |                   | °C | -25                                                                |
| Operating ambient temperature max.                                                                                     |                   | °C | 55                                                                 |
| IEC/EN 61439 design verification                                                                                       |                   |    |                                                                    |
| 10.2 Strength of materials and parts                                                                                   |                   |    |                                                                    |
| 10.2.2 Corrosion resistance                                                                                            |                   |    | Meets the product standard's requirements.                         |
| 10.2.3.1 Verification of thermal stability of enclosures                                                               |                   |    | Meets the product standard's requirements.                         |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat                                             |                   |    | Meets the product standard's requirements.                         |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects |                   |    | Meets the product standard's requirements.                         |
| 10.2.4 Resistance to ultra-violet (UV) radiation                                                                       |                   |    | Meets the product standard's requirements.                         |
| 10.2.5 Lifting                                                                                                         |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact                                                                                               |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions                                                                                                    |                   |    | Meets the product standard's requirements.                         |
| 10.3 Degree of protection of ASSEMBLIES                                                                                |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 Clearances and creepage distances                                                                                 |                   |    | Meets the product standard's requirements.                         |
| 10.5 Protection against electric shock                                                                                 |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components                                                                 |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 Internal electrical circuits and connections                                                                      |                   |    | Is the panel builder's responsibility.                             |
| 10.8 Connections for external conductors                                                                               |                   |    | Is the panel builder's responsibility.                             |

|                                                          |  |  |                                                                                                                                  |
|----------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------|
| 10.9 Insulation properties                               |  |  |                                                                                                                                  |
| 10.9.2 Power-frequency electric strength                 |  |  | Is the panel builder's responsibility.                                                                                           |
| 10.9.3 Impulse withstand voltage                         |  |  | Is the panel builder's responsibility.                                                                                           |
| 10.9.4 Testing of enclosures made of insulating material |  |  | Is the panel builder's responsibility.                                                                                           |
| 10.10 Temperature rise                                   |  |  | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating                               |  |  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.12 Electromagnetic compatibility                      |  |  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.13 Mechanical function                                |  |  | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |

## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

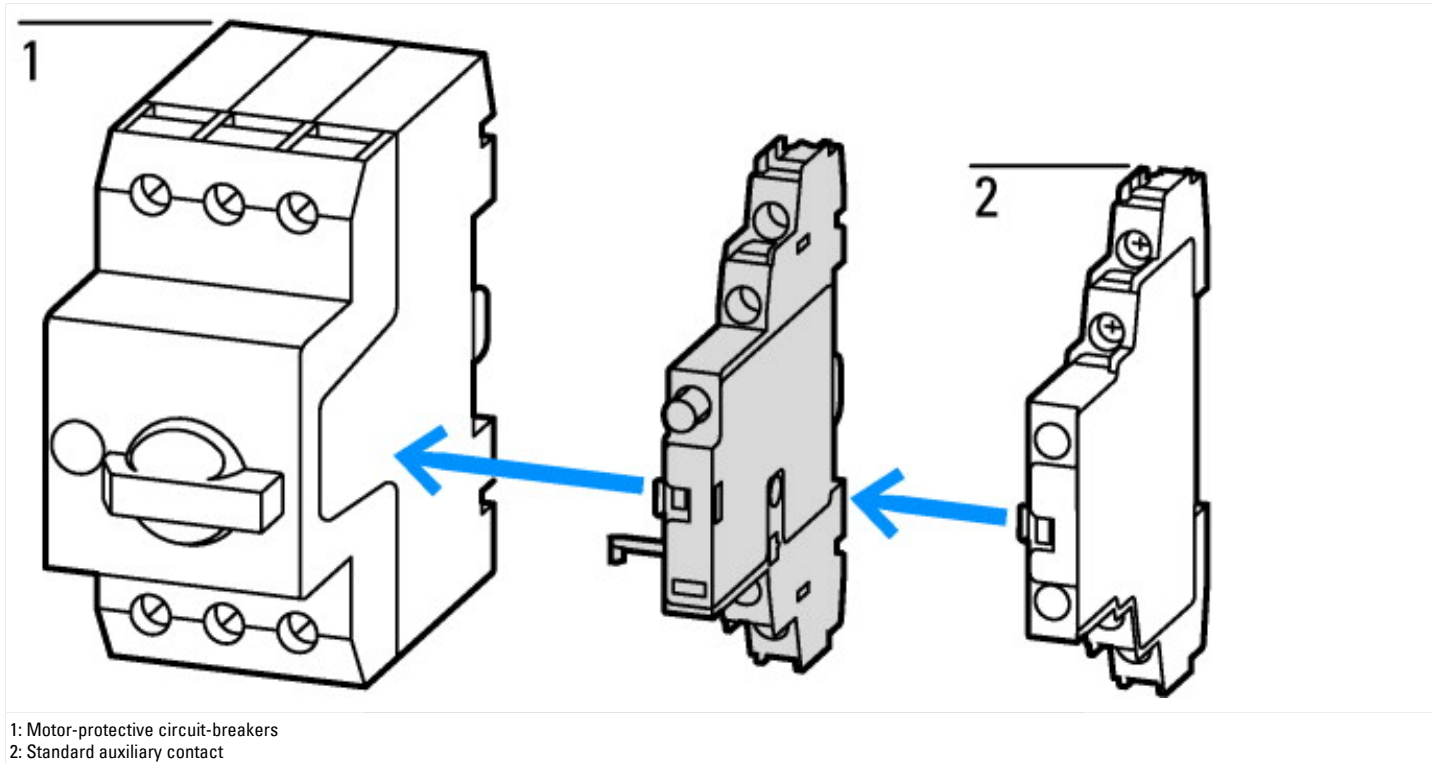
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block  
(ec1@ss10.0.1-27-37-13-02 [AKN342013])

|                                                        |  |   |                  |
|--------------------------------------------------------|--|---|------------------|
| Number of contacts as change-over contact              |  |   | 0                |
| Number of contacts as normally open contact            |  |   | 2                |
| Number of contacts as normally closed contact          |  |   | 0                |
| Number of fault-signal switches                        |  |   | 1                |
| Rated operation current I <sub>e</sub> at AC-15, 230 V |  | A | 3.5              |
| Type of electric connection                            |  |   | Screw connection |
| Model                                                  |  |   | Top mounting     |
| Mounting method                                        |  |   | Side mounting    |
| Lamp holder                                            |  |   | None             |

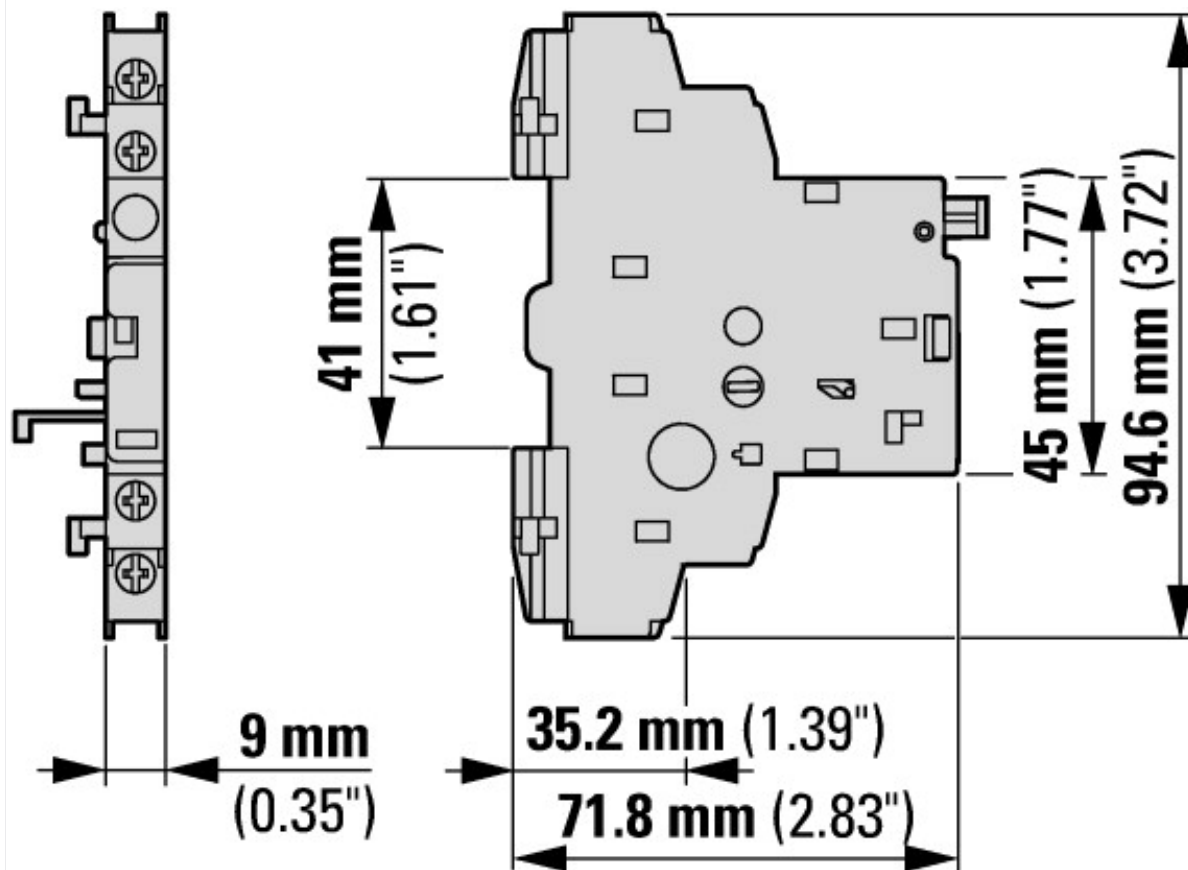
## Approvals

|                                      |  |  |                                                    |
|--------------------------------------|--|--|----------------------------------------------------|
| Product Standards                    |  |  | UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking |
| UL File No.                          |  |  | E36332                                             |
| UL Category Control No.              |  |  | NLRV                                               |
| CSA File No.                         |  |  | 165628                                             |
| CSA Class No.                        |  |  | 3211-05                                            |
| North America Certification          |  |  | UL listed, CSA certified                           |
| Specially designed for North America |  |  | No                                                 |

## Characteristics



## Dimensions





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