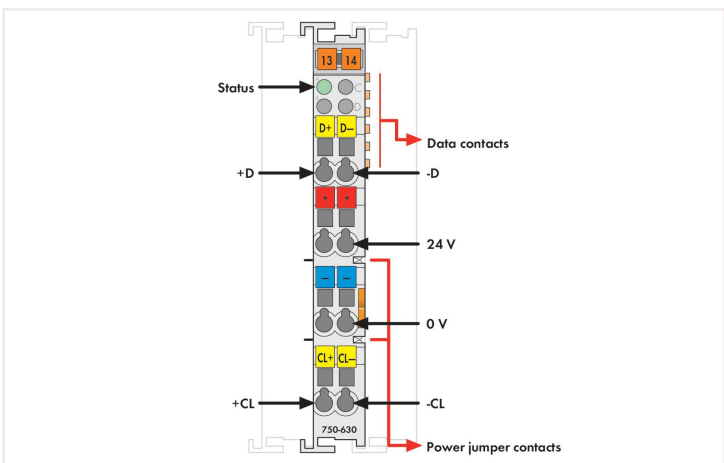
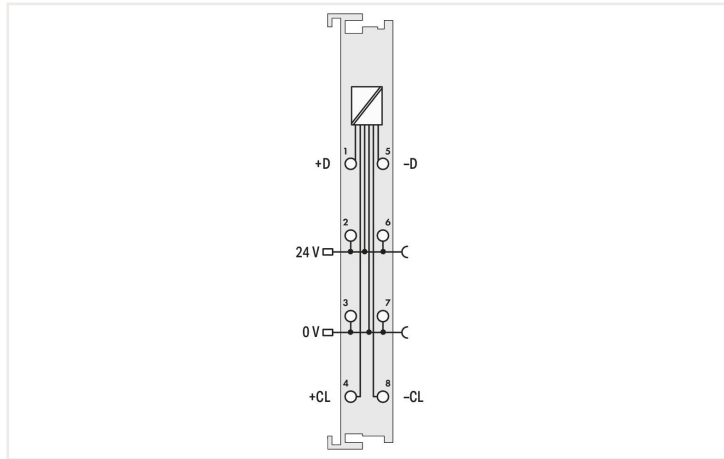
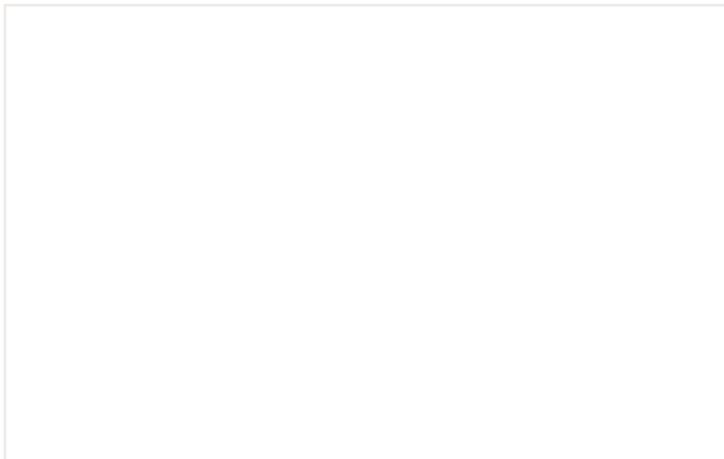


**Data sheet | Item number: 750-630/003-000**

SSI transmitter interface; Adjustable

<https://www.wago.com/750-630/003-000>



This module is an SSI interface for the direct connection to an SSI transmitter. After the module has given a clock pulse to the sensor, the module reads the incoming data and transmits it directly as a data word into the process image of the PLC or PC. The power supply for the transmitter is derived internally from the power jumper contacts.

| Technical data                           |   |
|--|---|
| Signal type                              | Differential signal (RS-422)  |
| Encoder connection                       | On + D, -D / Off + Cl, - Cl   |
| Supply voltage (encoder)                 | 24 VDC; via power jumper contacts   |
| Serial input                             | Data width: 1 ... 32 bits   |
| Data transmission rate                   | 250 kHz   |
| Data width                               | 1 x 32 bits   |
| Code                                     | Gray code/binary code   |
| Supply voltage (system)                  | 5 VDC; via data contacts  |
| Current consumption (5 V system supply)  | 20 mA   |
| Supply voltage (field)                   | 24 VDC (-15 ... +20 %); via power jumper contacts (power supply via blade contact; transmission via spring contact) |
| Isolation                                | 500 V system/field  |
| Number of incoming power jumper contacts | 2   |
| Number of outgoing power jumper contacts | 2   |

### Connection data

|                                       |  |
|---------------------------------------|--|
| Connection technology: inputs/outputs | 8 x CAGE CLAMP®                              |
| Connection type 1                     | Inputs/outputs                               |
| Solid conductor                       | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Fine-stranded conductor               | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Strip length                          | 8 ... 9 mm / 0.31 ... 0.35 inches            |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 12 mm / 0.472 inches   |
| Height                            | 100 mm / 3.937 inches  |
| Depth                             | 69.8 mm / 2.748 inches |
| Depth from upper-edge of DIN-rail | 62.6 mm / 2.465 inches |

### Mechanical data

|               |             |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

### Material data

|                    |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 1.005 MJ                     |
| Weight             | 51.9 g                       |
| Conformity marking | CE                           |

### Environmental requirements

|  |                                       |
|--|---------------------------------------|
| Ambient temperature (operation)  | 0 ... +55 °C                          |
| Surrounding air temperature (storage)  | -25 ... +85 °C                        |
| Protection type  | IP20                                  |
| Pollution degree (5)   | 2 per IEC 61131-2                     |
| Operating altitude   | 0 ... 2000 m / 0 ... 6562 ft          |
| Mounting position  | horizontal (standing/lying); vertical |
| Relative humidity (without condensation)   | 95 %                                  |
| Vibration resistance   | 4g per IEC 60068-2-6                  |
| Shock resistance   | 15g per IEC 60068-2-27                |
| EMC immunity to interference   | per EN 61000-6-2, marine applications |
| EMC emission of interference   | per EN 61000-6-4, marine applications |
| Exposure to pollutants   | per IEC 60068-2-42 and IEC 60068-2-43 |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 % | 10 ppm                                |
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %  | 25 ppm                                |

### Approvals and certificates

#### General approvals



| Approval                                    | Standard               | Certificate name                |
|---|------------------------|---------------------------------|
| EAC<br>Brjansker Zertifizierungs-<br>stelle | TP TC 020/2011         | EAC RU C-DE.AM02.<br>B.00087/19 |
| KC<br>National Radio Research<br>Agency     | Article 58-2, Clause 3 | MSIP-REM-W43-DAM750             |

#### General approvals

|   |        |               |
|---|--------|---------------|
| UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCATI-<br>ONS) | UL 508 | E175199 Sec.1 |
|---|--------|---------------|

## Approvals for marine applications



| Approval   | Standard               | Certificate name  |
|--|------------------------|-------------------|
| ABS<br>American Bureau of Ship-<br>ping                        | -                      | 22-2219060        |
| BSH<br>Bundesamt fuer See-<br>schiffahrt und Hydrogra-<br>phie | -                      | 1104              |
| DNV<br>DNV Germany GmbH  | DNV-CG-0339, Aug. 2021 | TAA0000194        |
| PRS<br>Polski Rejestr Statków                                  | -                      | TE/2236/880590/19 |
| RINA<br>RINA Germany GmbH                                      | -                      | ELE343521XG001    |

## Approvals for hazardous areas



| Approval   | Standard       | Certificate name  |
|--|----------------|---|
| ATEX<br>TUEV Nord Cert GmbH  | EN 60079-0     |   |
| CCC<br>CNEX  | CNCA-C23-01    | 2020312310000213 (Ex<br>ec IIC T4 Gc)                   |
| EAC<br>Brjansker Zertifizierungs-<br>stelle                        | TP TC 012/2011 | EAC RU C-DE.AM02.<br>B.00163/19 (2Ex nA IIC T4<br>Gc X) |
| IECEX<br>TUEV Nord Cert GmbH                                       | IEC 60079-0    | IECEX_TUN_14.0035_X<br>(Ex ec IIC T4 Gc)                |
| INMETRO<br>TUV Rheinland do Brasil<br>Ltda.                        | IEC 60079-0    | BR-Ex_TUV 12.1297 X                                     |
| UL<br>Underwriters Laboratories<br>Inc. (HAZARDOUS LOCA-<br>TIONS) | UL 121201      | E198726 Sec.1   |

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](https://www.wago.com)



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