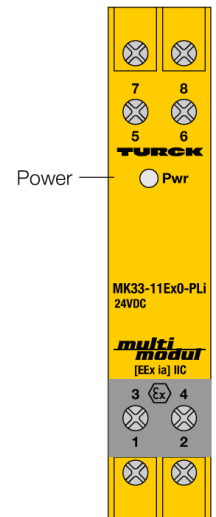
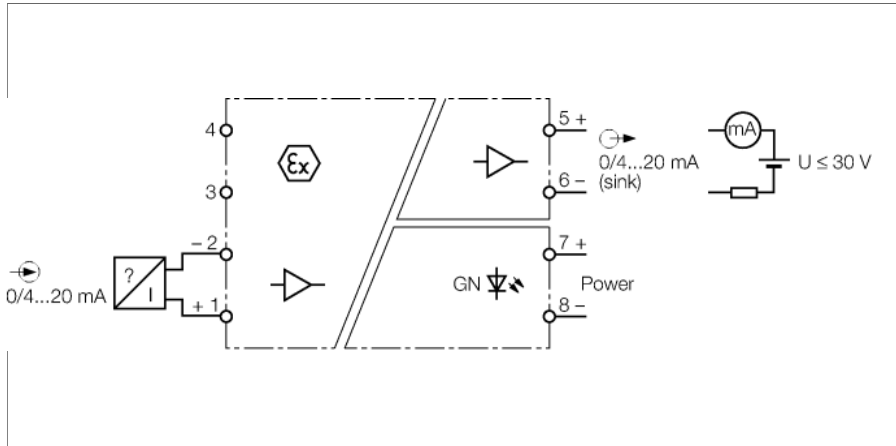
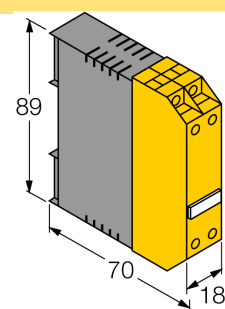


# Isolating transducer 1-channel MK33-11EX0-PLI/24VDC



- Power supply of 2-wire measuring transducers
- Input circuit: 0/4...20 mA
- Passive output circuit: 0/4...20 mA
- Galvanic separation of input circuits, output circuits and power supply
- Complete galvanic isolation
- Input reverse-polarity protected
- Intrinsically safe input circuits EEx ia
- Application area acc. to ATEX: II (1) GD

**Dimensions**


|                                                                        |                                                                                                              |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Type                                                                   | MK33-11EX0-PLI/24VDC                                                                                         |
| ID                                                                     | 7506436                                                                                                      |
| Nominal voltage                                                        | 24 VDC                                                                                                       |
| Operating voltage $U_s$                                                | 19...29 VDC                                                                                                  |
| Power consumption                                                      | $\leq 2.3 \text{ W}$                                                                                         |
| <b>Transmitter connection</b>                                          |                                                                                                              |
| Current                                                                | 0/4...20 mA                                                                                                  |
| Input resistance                                                       | 50 $\Omega$                                                                                                  |
| Input current                                                          | 4...20 mA                                                                                                    |
| Input resistance (current)                                             | $\leq 50 \Omega$                                                                                             |
| Current                                                                | 0/4...20 mA                                                                                                  |
| <b>Output circuits</b>                                                 |                                                                                                              |
| Output circuits                                                        | 0/4...20 mA passive                                                                                          |
| Output current                                                         | 4...20 mA                                                                                                    |
| Load                                                                   | $\leq 500 \Omega$                                                                                            |
| Load resistance current output                                         | $\leq 0.5 \text{ k}\Omega$                                                                                   |
| <b>Response characteristic</b>                                         |                                                                                                              |
| Rise time (10...90 %)                                                  | $\leq 90 \text{ ms}$                                                                                         |
| Fall time (90...10 %)                                                  | $\leq 90 \text{ ms}$                                                                                         |
| Measuring accuracy (including linearity, hysteresis and repeatability) | $\leq 0.2 \text{ % of full scale}$                                                                           |
| Temperature drift                                                      | $\leq 0.01 \text{ % of full scale/K}$                                                                        |
| <b>Galvanic isolation</b>                                              |                                                                                                              |
| Galvanic isolation                                                     | input circuit to output circuit and supply voltage for 250Veff; test voltage 4 kVeff                         |
| Test voltage                                                           | 4.0 kV                                                                                                       |
| <b>Important note</b>                                                  |                                                                                                              |
|                                                                        | For Ex-applications the values specified in the corresponding Ex certificates (ATEX, IECEx, UL, etc.) apply. |
| Ex approval acc. to conformity certificate                             | TÜV 03 ATEX 2312                                                                                             |
| Application area                                                       | II (1) GD                                                                                                    |
| Ignition protection category                                           | [EEx ia] IIC                                                                                                 |
| <b>Displays/Operating elements</b>                                     |                                                                                                              |
| Operational readiness                                                  | Green                                                                                                        |
| <b>Mechanical data</b>                                                 |                                                                                                              |
| Protection class                                                       | IP20                                                                                                         |
| Ambient temperature                                                    | -25...+70 °C                                                                                                 |
| Storage temperature                                                    | -40...+80 °C                                                                                                 |
| Dimensions                                                             | 89 x 18 x 70 mm                                                                                              |
| Weight                                                                 | 92 g                                                                                                         |
| Mounting instructions                                                  | DIN rail (NS35) or panel                                                                                     |
| Housing material                                                       | Plastic, Polycarbonate/ABS                                                                                   |
| Electrical connection                                                  | 4 x 2-pin flat terminals with self-lifting pressure plates                                                   |
| Terminal cross-section                                                 | 1 x 2.5 mm <sup>2</sup> /2 x 1.5 mm <sup>2</sup>                                                             |