



1) LED Power, 2) LED function indicator, 3) 4x operating keys, 4) LED N.C. function active, 5) 7x seven-segment display, 7) Plug connection sensor, 8) DIN rail mount 35mm, 9) Flap



Basic features

| | |
|---------------------|-----------------------------|
| Approval/Conformity | CE UKCA cULus WEEE |
| Basic standard | IEC 60947-5-2 |
| Series | BAE |

Display/Operation

| | |
|--------------------|---|
| Adjuster | Key (4x) |
| Function indicator | yes |
| Power indicator | yes |
| Setting | External teach function Dynamic function Various switching modes Teaching switchpoints Time function on/off Sensitivity (Sn) |

Electrical connection

| | |
|-----------------------------------|----------------------------|
| Cable diameter D | 4.50 mm |
| Cable length L | 0.3 m |
| Connection | M12x1-Male, 4-pin, A-coded |
| Number of pins | 4 |
| Polarity reversal protected | yes |
| Protection against device mix-ups | yes |
| Short-circuit protection | yes |

Electrical data

| | |
|--|-------------|
| Load capacitance max. at Ue | 0.001 µF |
| No-load current I _o max. at Ue | 25 mA |
| Operating voltage U _b | 18...30 VDC |
| Rated insulation voltage U _i | 75 V DC |
| Rated operating current I _e | 50 mA |
| Rated operating voltage U _e DC | 24 V |
| Ready delay t _v max. | 200 ms |
| Residual current I _r max. | 10 µA |
| Switching frequency | 50 Hz |
| Utilization category | DC -13 |
| Voltage drop U _d max. at I _e | 2 V |

Environmental conditions

| | |
|---------------------|-------------|
| Ambient temperature | -10...70 °C |
| IP rating | IP40 |

Functional safety

| | |
|--------------|-------|
| MTTF (40 °C) | 403 a |
|--------------|-------|

IO-Link

| | |
|----------------------------|---|
| IO-Link Profil IDs | 0x0001 SSP0 |
| IO-Link function classes | 0x8000 Device Identification 0x8001 Binary Data Channel 0x8002 Process Data Variables 0x8003 Device Diagnosis 0x8004 Teach Commands |
| Supported IO-Link Profiles | Legacy Smart Sensor Profile |

Interface

| | |
|------------------|--------------------------------|
| Cycle time min. | 10 ms |
| Interface | IO-Link 1.1 |
| Switching output | PNP/NPN NO/NC programmable |
| Time function | On/off delay time programmable |

Material

| | |
|--------------------|-----|
| Cover cap material | PA |
| Cover material | PBT |
| Housing material | PBT |
| Material jacket | PUR |

Mechanical data

| | |
|---------------|--|
| Dimension | 10.5 x 45 x 75.5 mm |
| Mounting part | DIN EN-50045 rail 15 mm DIN EN-50022 rail 35 mm Screw M3 |

Remarks

Please observe EMC-conformal cable routing. All measuring and norm vales in the data sheet are referenced to 2 m single-ended cordset.
 max. load current: 50mA with UL approval, <50 to 100mA possible, but without UL approval
 For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



Wiring Diagrams (Schematic)

