



Basic features

Trademark Global

Display/Operation

Power indicator no

Electrical connection

Cable diameter D 4.60 mm
 Cable length L 3 m
 Conductor cross-section 0.34 mm²
 Connection type Cable, 3.00 m, PUR
 Number of conductors 2
 Polarity reversal protected yes
 Protection against device mix-ups yes
 Short-circuit protection yes

Electrical data

Load capacitance max. at U_e 1 µF
 Min. operating current I_m 5 mA
 Operating voltage U_b 10...36 VDC
 Rated insulation voltage U_i 75 V DC
 Rated operating current I_e 100 mA
 Rated operating voltage U_e DC 24 V
 Rated short circuit current 100 A
 Ready delay t_v max. 50 ms
 Residual current I_r max. 600 µA
 Ripple max. (% of U_e) 15 %
 Switching frequency 600 Hz
 Voltage drop static max. 4.2 V

Environmental conditions

Ambient temperature -25...70 °C
 Contamination scale 3
 IP rating IP67

Functional safety

MTTF (40 °C) 315 a

Interface

Switching output polarized normally open (NO)

Material

Housing material Brass, Nickel-free coated
 Material jacket PUR
 Material sensing surface PA 12

Mechanical data

Dimension Ø 18 x 46 mm
 Installation for flush mounting
 Mounting length 40.00 mm
 Size M18x1

Range/Distance

Assured operating distance Sa	5.6 mm
Hysteresis H max. (% of Sr)	20.0 %
Rated operating distance Sn	7 mm

Real switching distance sr	7 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	■ ■
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Wiring Diagrams (Schematic)

