



1) Sensing surface 2) see remarks 3) see remarks 4) see remarks



Display/Operation

Function indicator	yes
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Electrical connection

Cable diameter D	2.50 mm
Cable length	2 m
Connection type	Cable, 2.00 m, PUR
Protection against device mix-ups	no
Short-circuit protection	yes

Electrical data

Assured switching field strength H_a	2 kA/m
Hysteresis H max. (% of H_n)	45 %
Load capacitance max. at U_e	1 μ F
No-load current I_o max., undamped	3 mA
Operating voltage U_b	10...30 VDC
Output resistance R_a	Open drain
Polarity reversal protected	yes
Rated insulation voltage U_i	75 V DC
Rated operating current I_e	200 mA
Rated operating voltage U_e DC	24 V
Rated short circuit current	100 A
Rated switch field strength H_n	1.2 kA/m
Residual current I_r max.	80 μ A
Residual ripple max. (% of U_e)	15 %
Switching frequency	3000 Hz
Turn-off delay t_{off} max.	0.1 ms
Turn-on delay t_{on} max.	0.1 ms
Utilization category	DC-13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25...85 °C
Contamination scale	3
IP rating	IP67

Functional safety

MTTF (40 °C)	355 a
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General data

Approval/Conformity	cULus CE
Basic standard	IEC 60947-5-2
Scope of delivery	Cable clip for T-slot
Trademark	Global

Material

Housing material	PA 12
Material jacket	PUR
Material sensing surface	PU

Mechanical data

Dimension	23.5 x 5 x 5.5 mm
Tightening torque	0.4 Nm

Output/Interface

Switching output	PNP Normally open (NO)
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Range/Distance

Temp. drift max. (% of Hn) 0.3 %

Remarks

- 2) Application area: pneumatic cylinder with t-slot. For dimensions, see sketch in product view.
- 4) Allen key 2.0 mm: max. tightening torque 0.4 Nm. Screwdriver 4x0.8 mm: max. tightening torque 1 Nm
- Effective operating current I_e with thermally coupled installation in metal.
- 3) Damping magnet axially magnetized

For further information about the 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.

Wiring Diagram

