

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	0.3 m
Connection	M8x1-Male, 4-pole
Connection type	Cable with connector, 0.30 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
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Environmental conditions

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

Functional safety

MTTF (40 °C)	175 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 %

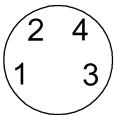
Remarks

- 3) Damping magnet axially magnetized
 Effective operating current I_e with thermally coupled installation in metal.
- 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

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.

Connector view



Wiring Diagram

