



1) Sensing surface



**Basic features**

Application	Object detection
Approval/Conformity	CE UKCA WEEE cULus
Basic standard	IEC 60947-5-2
Principle of operation	Magnetic field sensor
Scope of delivery	Cable clip for C-slot
Trademark	Global

**Display/Operation**

Function indicator	Active, LED yellow
--------------------	--------------------

**Electrical connection**

Cable	PUR, 5 m
Cable diameter D	2.4 mm
Conductor cross-section	0.10 mm <sup>2</sup>
Number of conductors	3
Polarity reversal protected	yes
Short-circuit protection	yes

**Electrical data**

Assured switching field strength Ha	2.9 kA/m
Load capacitance max. at Ue	1 µF
No-load current Io max., undamped	2 mA
Operating voltage Ub	10...30 VDC
Output resistance Ra	Open drain
Rated insulation voltage Ui	75 V DC
Rated operating current Ie	100 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Rated switch field strength Hn	2.5 kA/m
Residual current Ir max.	10 µA
Ripple max. (% of Ue)	15 %
Switching frequency	500 Hz
Utilization category	DC -13
Voltage drop static max.	1 V

**Environmental conditions**

Ambient temperature	-25...85 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
ESD	2A (4 kV)
Emission	Group 1, Class B
IP rating	IP67

**Functional safety**

MTTF (40 °C)	1879 a
--------------	--------

## Interface

Switching output PNP normally open (NO)

## Material

Clamping screw material Stainless steel  
Housing material PA 12  
Material jacket PUR  
Material sensing surface PA 12

## Mechanical data

Dimension 24 x 2.9 x 24 mm  
Mounting part Screw M2  
Size C-slot  
Tightening torque 0.07 Nm

## Remarks

Damping magnet axially magnetized

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.

## Wiring Diagrams

