



1) LED function indicator 2) LED operating voltage



## Display/Operation

Function indicator	yes
Power indicator	yes

Ripple max. (% of Ue)	15 %
Switching frequency	16 Hz
Utilization category	DC-13
Voltage drop static max.	2 V

## Electrical connection

Connection	M12x1-Male, 4-pole, A-coded
Protection against device mix-ups	yes
Short-circuit protection	yes

## Environmental conditions

Ambient temperature	-25...70 °C
Pass-through	25.1 mm
Protection type IEC 60529	IP65

## Electrical data

Contamination scale	3
Load capacitance max. at Ue	0.15 µF
No-load current I <sub>0</sub> undamped max.	10 mA
Operating voltage U <sub>b</sub>	10...30 VDC
Output resistance R <sub>a</sub>	Open collector
Pass-through speed max.	60 m/s
Polarity reversal protected	yes
Rated insulation voltage U <sub>i</sub>	75 V DC
Rated operating current I <sub>e</sub> DC	400 mA
Rated operating voltage U <sub>e</sub> DC	24 V
Ready delay t <sub>v</sub> max.	300 ms

## General data

Additional features	Sensitivity adjustable can be arranged inline Stackable, minimum distance ≥20 mm
Approval/Conformity	CE EAC
Basic standard	IEC 60947-5-2
Target material	Steel

## Material

Housing material	Plastic
Material sensing surface	Plastic

## Mechanical data

Dimension 60 x 35 x 20 mm

## Output/Interface

Switching output PNP Normally open (NO)

## Remarks

After eliminating the overload, the sensor is functional again after a load-dependent delay time of 5-30 s.  
Sensitivity adjustable  
Static detection of metallic parts

## Connector view



## Wiring Diagram

