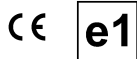


1: Damping with the piston $\varnothing 6$



Product characteristics

Inductive sensor

Metal thread M12 x 1

Quick disconnect

e1 type approval

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC; to PELV

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 4.6

Minimum load current [mA]

5

Leakage current [mA]

< 0.8

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

100

Monitoring range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

$2 \pm 10\%$

Operating distance [mm]

0...1.62

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Operating pressure [MPa]

max. 35 (grease)

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

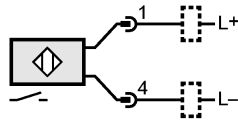
2450

Mechanical data

IR5015 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting	flush mountable
Max. penetration depth of the piston [mm]	6.8
Housing materials	PBT; steel (1.7227) chromium-plated
Weight [kg]	0.054
Displays / operating elements	
Output status indication LED	yellow (4 x 90°)
Electrical connection	
Connection	M12 connector

Wiring



Remarks	
Remarks	Do not use the sensing face as a limit stop!
Pack quantity [piece]	1