

1: Fastening clamp  
2: sensing face



Product characteristics

Cylinder sensor with GMR cell

Plastic housing for C-slot cylinders

Cable with connector

[nf] non-flush mountable

Magnetic sensitivity 2.8 mT

Travel speed > 10 m/s

Electrical data

Electrical design

DC PNP

Operating voltage [V] 10...30 DC; cULus - Class 2 source required

Current consumption [mA] < 10

Protection class III

Reverse polarity protection yes

Outputs

Output function normally open

Voltage drop [V] < 2.5

Current rating [mA] 100

Short-circuit protection yes

Overload protection yes

Switching frequency [Hz] 10000

Monitoring range

Magnetic sensitivity [mT] 2.8

Travel speed [m/s] > 10

Accuracy / deviations

Hysteresis [mm] 1.5

Repeatability [mm] < 0.2

Reaction times

Power-on delay time [ms] < 30

Environment

Ambient temperature [°C] -25...85

Protection IP 65 / IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD: - CD / 8 kV AD

EN 61000-4-3 HF radiated: 10 V/m

EN 61000-4-4 Burst: 2 kV

EN 61000-4-6 HF conducted: 10 V

EN 55011: class B

MTTF [Years] 3694

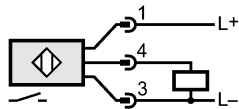
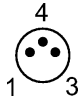
UL approval number C008

Mechanical data

# MK5301 - Cylinder sensor with GMR cell - eclass: 27270104 / 27-27-01-04

Mounting	non-flush mountable	
Housing materials	housing: PA (polyamide); Fastening clamp: stainless steel	
Weight [kg]	0.01	
Displays / operating elements		
Output status indication LED	yellow	
Electrical connection		
Connection	PUR cable / 0.3 m; with M8 connector (snap-fit)	

## Wiring



## Remarks

Pack quantity [piece]	1	
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