

1: Fastening clamp
2: sensing face



Product characteristics

Cylinder sensor with GMR cell

Plastic housing for C-slot cylinders

Cable

[f] flush mountable

Magnetic sensitivity 2.8 mT

Travel speed > 10 m/s

Electrical data

Electrical design

DC NPN

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

MK5309 - Cylinder sensor with GMR cell - eclass: 27270104 / 27-27-01-04

Mounting	flush mountable
Housing materials	housing: PA (polyamide); Fastening clamp: stainless steel
Weight [kg]	0.015
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PUR cable / 2 m; 3 x 0.08 mm ²

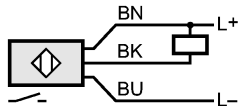
Wiring

Core colors

BK black

BN brown

BU blue



Remarks

Pack quantity [piece]	1
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