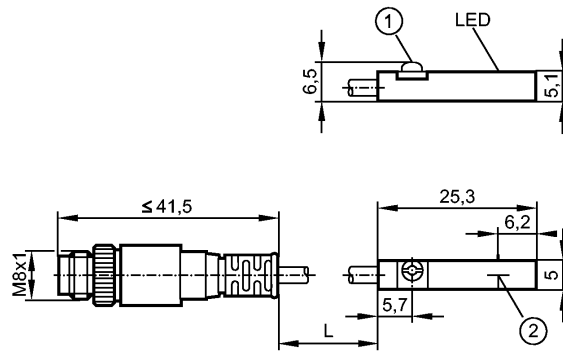


MK5215

MKT3015BBPKG/G/WFI/0.3M/ZH/ASR

Magnetic sensors, cylinder sensors



- 1: Fastening clamp
- 2: sensing face

Made in Germany



Product characteristics

Cylinder sensor with GMR cell

Plastic housing for T-slot cylinders

Cable with connector

[f] flush mountable

Magnetic sensitivity 2.8 mT

Travel speed < 0.25 m/s

Application

Application For welding applications

Principle of operation suppression of extraneous fields

Electrical data

Electrical design DC PNP

Operating voltage [V] 10...30 DC

Current consumption [mA] < 10

Protection class III

Reverse polarity protection yes

Power-on delay time [ms] < 300

Outputs

Output function normally open

Voltage drop [V] < 2.5

Current rating [mA] 100

Short-circuit protection yes

Overload protection yes

Switching frequency [Hz] 10

Range

Magnetic sensitivity [mT] 2.8

Travel speed [m/s] < 0.25

Accuracy / deviations

Hysteresis [mm] < 1.5

Repeatability [mm] < 0.2

Environment

Ambient temperature [°C] -25...85

Protection IP 65 / IP 67

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Magnetic sensors, cylinder sensors

Tests / approvals

EMC	EN 61000-4-2 ESD: EN 61000-4-3 HF radiated: EN 61000-4-4 Burst: EN 61000-4-6 HF conducted: EN 55011:	- CD / 8 kV AD 10 V/m (80...2000 MHz) 2 kV 10 V (0.15...80 MHz) class B
Vibration resistance	EN 60068-2-6 Fc	(10...55 Hz) / 1 mm amplitude, oscillation period 5 min., 30 min. per axis at resonance or 55 Hz
Shock resistance	EN 60068-2-27 Ea	30 g 6 shocks / 11 ms half-sine (x,y,z)

Mechanical data

Mounting	flush mountable	
Housing materials	housing: PA (polyamide); Fastening clamp: stainless steel; Knurled nut: PTFE coated; protective tube: PTFE coated	
Weight [kg]	0.018	

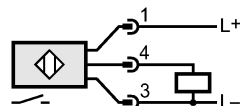
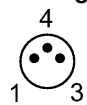
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PUR cable / 0.3 m; with M8 connector, with turnable coupling ring, with protective tube	
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Wiring



Accessories

Accessories (included)	rubber placeholder; cable clip	
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Remarks

Remarks	Clamping screw with combined slot/hexagon socket head AF 1.5	
Pack quantity [piece]	1	