

MZ15C936

Magnetic field sensors • Sensors for trapezoidal groove

Magnetic Sensor, Cylinder, Trapezoidal Groove, 14x20x14mm, 10–30 V DC, 1x PNP NO, 10 m PUR (polyurethane) cable, IP67, zinc diecast, LED, 2.8 mT, top-mounted installation, sensor surface centered on the device

- / Große_Schaltgenauigkeit_bei_kleiner_Hysterese
- / Hohe_Schaltfrequenz



Einfach_von_oben_montierbar

Unabhängig_vom_Zylinderhersteller_einsetzbar

For many applications in automation technology, it is necessary to perform recognition of the motion of pneumatic and hydraulic cylinders and to precisely measure the position of the piston. Magnetic cylinder sensors are used for this purpose; they are mounted on the cylinders either directly from the outside or using adapters.

Electrical features

Number of switching outputs	1
Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Cable
Type of switching output	PNP
Rated switching current	150 mA
Absolute hysteresis	1 mm
No-load current	15 mA
Magnetic sensitivity	2.8 mT
Switching frequency	1000 Hz
Sensor surface (active)	Middle area
Voltage drop	2 V
Absolute repeat accuracy	0.1 mm
Operating voltage (DC)	10 - 30 V
Electrical connection	Cable tail pole 10m
ardTEEL_Schutzfunktionen	Short circuit protection Reverse polarity protection

Mechanical features

Number of cores	3
Design	Cuboid
Width	13.5 mm
Height	13.5 mm
Cable length	10 m
Sensor surface position	Center of the device
Length	20 mm
Mounting access, cylinder groove	From the top
Degree of protection (IP)	IP67
Housing material	Zinc die-cast
Material of cable sheath	Kunststoff (PUR)
Ambient temperature	-25 - 75 °C
dimensions	20x13.5x13.5mm
ardTEME_Umgebungsbestaendigkeiten	Öle Kühlschmiermittel starke Erschütterungen/ Bewegungen

Other features

Harsh environmental conditions	Yes
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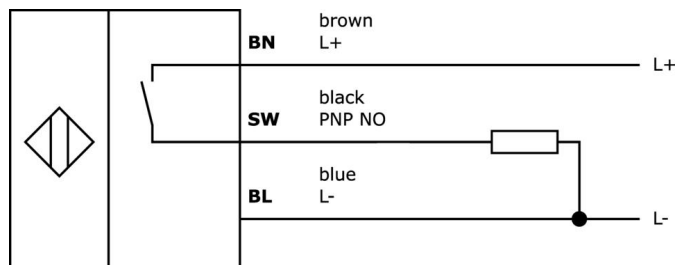
Classification

ETIM 8

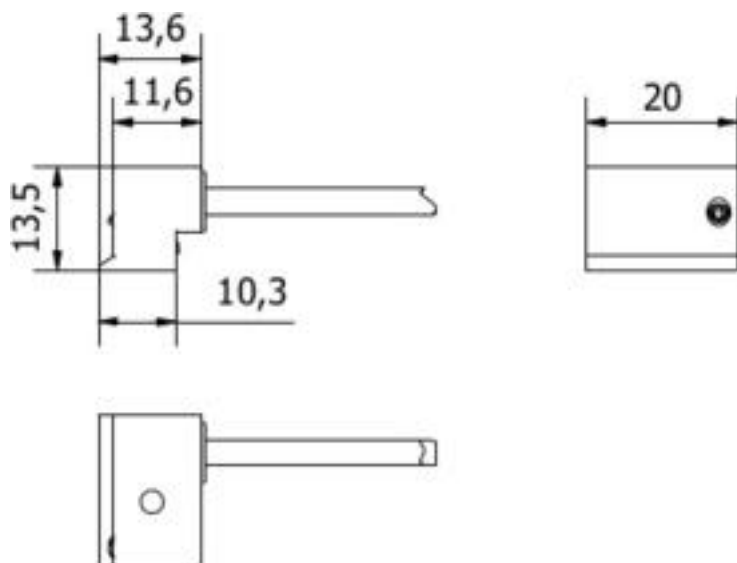
More

IPF Product Group	223 pneumatic cylinder sensors (diverse)
packaging dimensions	149 x 124 x 35 mm
gross weight	203 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program

VY850001



Inverter/signal-inversion/turn-off delay, 85x65x18mm, 0.01-10s, 12-30V DC, 1x NC/NO, Clamp 8pin, IP40, Plastic, Plug-in jumpers

VY850002



Inverter/signal-inversion/turn-off delay, 85x65x18mm, 0.01-10s, 12-30V DC, 1x NC/NO, Clamp 8pin, IP40, Plastic, Plug-in jumpers

AY000141



Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

AY000154



Tool, Screwdriver set, Internal hexagon 0.7mm, Internal hexagon 0.9mm, Internal hexagon 1.3mm, Internal hexagon 1.5mm, Internal hexagon 2mm, Slot 1.5mm, Slot 2mm, Slot 2.5mm, Chromium steel

NG530002



DC power supply, single-phase, 99x114x22mm, 24V, 0.1A, Number of relay outputs 2, 100-264V AC 50Hz, 100-264V AC 60Hz, Screw connection, IP20, Plastic, Stabilized, Output voltage, pulsed

VY000004



DC power supply, sensor tester, 120x26x72mm, 18V, 0.04A, Spring clamp connection 4pin, IP20, Plastic

You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

Safety warnings

/ Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

/ Never use these devices in applications where the safety of a person depends on their functionality.