IPF ELECTRONIC

DATA SHEET **MZ07C934** • Subject to alteration! Version: 03.05.2019

MZ07C934

MAGNETIC SENSORS • SENSORS FOR PNEUMATIC CYLINDERS

For many tasks in the field of automation technology, it is necessary to recognize the motional processes in pneumatic and hydraulic cylinders and to detect the position of the piston with precision. For this, magnetic cylinder sensors are used.

MECHANICAL DATA

Ambient temperature	-20 °C ... 70 °C
Cable length	0.3 m
Degree of protection (IP)	IP67
Housing design	Cuboid
Housing material	Plastic
Increased ambient temperatures > 80°C	No
Material of cable sheath	PUR (Polyurethane)
Metal housing	No
Mounting access, cylinder groove	From the top
Number of wires	4
Sensor height	13.6 mm
Sensor length	14.2 mm
Sensor surface position	Center of the device
Sensor width	45 mm
Strong vibration / motion	No

ELECTRICAL DATA

Cross/short circuit identification possible	Yes
Low sensitivity	No
Low switching hysteresis	Yes
No-load current	25 mA
Number of pins	4
Operating voltage	15 V ... 30 V
Reed contact	No
Relative repeat accuracy	0.1 mm
Reverse polarity protection	Yes
Sensor surface (active)	Middle area
Setting via teach-in	Yes
Short-circuit-proof	Yes
Suitable for safety functions	No
Switching distance	32 mm

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ELECTRICAL DATA

Two switching points	No
Type of analog output	0 V ... 10 V / 4 mA ... 20 mA
Type of electrical connection	Cable connector M8
Voltage type	DC
With LED display	Yes
With monitoring function of downstream devices	No

OTHER DATA

Cylinder sensors	Yes
Cylinder version	With T-groove
Harsh environmental conditions	No
Metallic sensor surface	No
Oil and cooling lubricants	No
Short travel path	No

CONNECTION
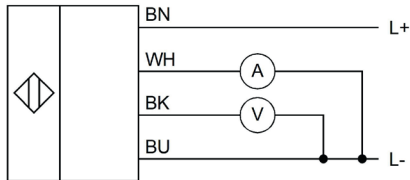
Colors: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black)
Functions: 1 = L+, 2 = 4-20mA, 3 = L-, 4 = 0-10V

DIMENSIONAL DRAWING

INSTALLATION

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

DISPOSAL

SAFETY WARNINGS

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

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