pneumatic cylinder sensors (high temperature)

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.

TECHNICAL DATA

Harsh environmental conditions	YES
Metallic sensor surface	NO
Oil and cooling lubricants	YES
Ambient temperature (min/max)	-25 °C / 130 °C
Cable length	0.6 m
Degree of protection (IP)	IP67
Housing design	Cuboid
Housing material	Zinc die-cast
Increased ambient temperatures > 80°C	YES
Material of cable sheath	Teflon
Metal housing	YES
Mounting access, cylinder groove	From the top
Number of wires	3
Sensor height	4.6 mm
Sensor length	18 mm
Sensor surface position	Centre of the device
Sensor width	5 mm
Strong vibration / motion	YES
Cross/short circuit identification possible	NO
Hysteresis	1 mm
Low sensitivity	NO
Low switching hysteresis	YES
Max. output current	150 mA
No-load current	15 mA
Number of pins	3
Operating voltage (min/max)	10 V / 30 V
Rated supply voltage at DC (min/max)	10 V / 30 V
Reed contact	NO
Relative repeat accuracy	0.1 mm
Reverse polarity protection	YES
Sensor surface (active)	Middle area

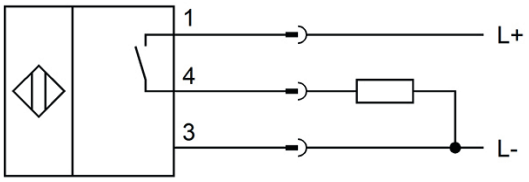
MZ070156

pneumatic cylinder sensors (high temperature)

TECHNICAL DATA

Setting via teach-in	NO
Short-circuit-proof	YES
Suitable for safety functions	NO
Switching frequency	1000 Hz
Two switching points	NO
Type of actuation	Magnet
Type of electrical connection	Cable with connector
Type of electrical connection	Cable connector M8
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	NO
With monitoring function of downstream devices	NO
Cylinder sensors	YES
For T-groove	Yes
Short travel path	NO

CONNECTION



Colors: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)
Functions: 1 = L+, 3 = L-, 4 = PNP NO

DIMENSIONAL DRAWING