pneumatic cylinder sensors (low cost / reed)

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

Ambient temperature (min/max)	-25°C / 70°C
Cross-/short circuit identification possible	NO
Cylinder sensors	YES
Degree of protection (IP)	IP67
Execution of the rounded groove	4.1mm rounded groove
Hysteresis	1mm
Length of sensor	20.5mm
Low sensitivity	NO
Metal housing	YES
Mounting access cylinder groove	Lateral
Number of poles	3
Position of the sensor surface	Border area of the device
Relative repeat accuracy	0.1mm
Sensor surface (active)	Middle area
Setting via teach-in	NO
Short travel path	NO
Strong vibration / motion	YES
Type of actuation	Magnet
Cable length	0.3m
Construction type housing	Cylinder plain
Diameter sensor	4mm
Increased ambient temperatures > 80°C	NO
Material housing	Stainless steel
Material of cable sheath	PUR (Polyurethane)
Metallic sensor surface	NO
Number of cores	3
Rough ambient conditions	YES
Low hysteresis	YES
Number of switch outputs	1
Reed contact	NO
Reverse polarity protection	YES

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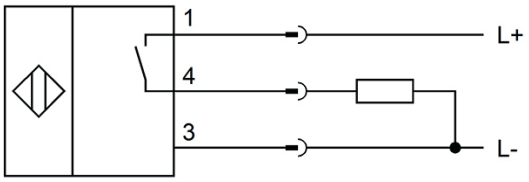
TECHNICAL DATA

Short-circuit-proof	NO
Suited for safety functions	NO
Switching frequency	1000Hz
Two switchpoints	NO
Type of electric connection	Cable with connector
Type of electric connection	Cable connector M8
Type of switch function	Normally open contact
With LED indication	YES
With monitoring function downstream switching devices	NO
Oil and lubriating coolants	YES
Max. output current	100mA
No load current	10mA
Operating voltage (min/max)	10V / 30V
Rated supply voltage at DC (min/max)	10V / 30V
Type of switching output	PNP
Voltage drop	2V
Voltage type	DC

CONNECTION



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

DIMENSIONAL DRAWING

ADDITIONAL INFORMATION