

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.

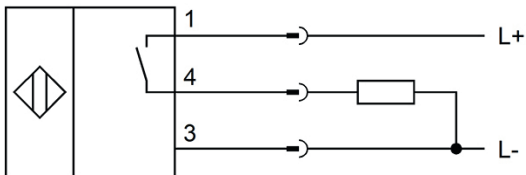

TECHNICAL DATA

Metallic sensor surface	NO
Oil and lubricating coolants	YES
Rough ambient conditions	YES
Ambient temperature (min/max)	-25°C / 100°C
Construction type housing	Cuboid
Degree of protection (IP)	IP67
Height of sensor	16.5mm
Increased ambient temperatures > 80°C	YES
Length of sensor	20mm
Material housing	Zinc die-cast
Metal housing	YES
Mounting access cylinder groove	From the top
Position of the sensor surface	Border area of the device
Strong vibration / motion	YES
Width sensor	9.2mm
Cross-/short circuit identification possible	YES
Hysteresis	1mm
Low hysteresis	YES
Low sensitivity	NO
Max. output current	150mA
No load current	15mA
Number of poles	3
Operating voltage (min/max)	10V / 30V
Rated supply voltage at DC (min/max)	10V / 30V
Reed contact	NO
Relative repeat accuracy	0.1mm
Reverse polarity protection	YES
Sensor surface (active)	Middle area
Setting via teach-in	NO
Short-circuit-proof	YES
Suited for safety functions	NO

TECHNICAL DATA

Switching frequency	1000Hz
Two switchpoints	NO
Type of actuation	Magnet
Type of electric connection	Connector M8
Type of switch function	Normally open contact
Type of switching output	PNP
Voltage drop	2V
Voltage type	DC
With LED indication	NO
With monitoring function downstream switching devices	NO
Cylinder sensors	YES
For T-groove	Yes
Short travel path	NO

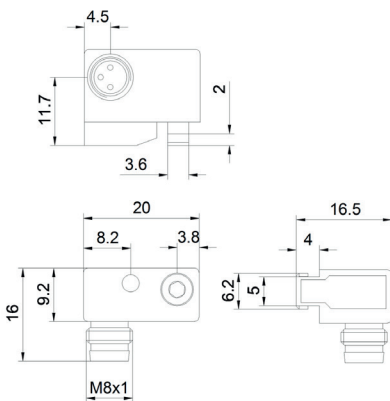
CONNECTION



Colors: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)

Functions: 1 = L+, 3 = L-, 4 = PNP NO

DIMENSIONAL DRAWING



ADDITIONAL INFORMATION

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