pneumatic cylinder sensors

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 / 75°C
Cross-/short circuit identification possible	YES
Cylinder sensors	YES
Degree of protection (IP)	IP67
For T-groove	Yes
Hysteresis	1mm
Length of sensor	20mm
Low sensitivity	NO
Metal housing	YES
Mounting access cylinder groove	From the top
Number of poles	3
Position of the sensor surface	Centre 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
Construction type housing	Cuboid
Height of sensor	16.5mm
Increased ambient temperatures > 80°C	NO
Material housing	Zinc die-cast
Metallic sensor surface	NO
Rough ambient conditions	YES
Width sensor	9.2mm
Low hysteresis	YES
Reed contact	NO
Reverse polarity protection	YES
Short-circuit-proof	YES
Suited for safety functions	NO
Switching frequency	1000Hz

TECHNICAL DATA

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Two switchpoints	NO
Type of electric connection	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	150mA
No load current	15mA
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
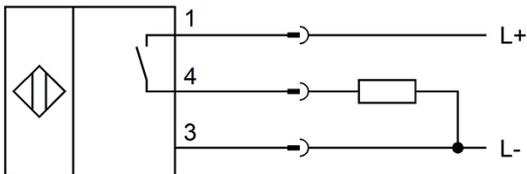
Colors: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)
Functions: 1 = L+, 3 = L-, 4 = PNP NO

DIMENSIONAL DRAWING
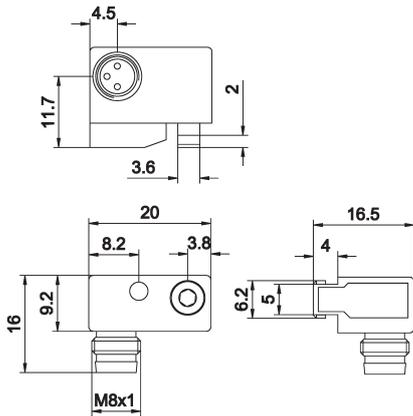
ADDITIONAL INFORMATION

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Subject to alteration!
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