

MRR90171

MAGNETIC SENSORS • SENSORS FOR PNEUMATIC CYLINDERS

10-30V DC,1500mA,M8-Stecker



MECHANICAL DATA

Ambient temperature (MAX)	75 °C
Ambient temperature (MIN)	-25 °C
Degree of protection (IP)	IP67
Housing design	Cylinder plain
Housing material	Aluminium
Increased ambient temperatures > 80°C	No
Metal housing	Yes
Mounting access, cylinder groove	Lateral
Sensor diameter	9 mm
Sensor length	40 mm
Sensor surface position	Center of the device
Strong vibration / motion	No
Version	9mm round

ELECTRICAL DATA

Cross/short circuit identification possible	No
Hysteresis	1 mm
Low sensitivity	No
Low switching hysteresis	No
Max. output current	1500 mA
Number of pins	3
Number of switching outputs	1
Operating voltage (MAX)	30 V
Operating voltage (MIN)	10 V
Reed contact	Yes
Relative repeat accuracy	1 mm
Reverse polarity protection	No
Setting via teach-in	No
Short-circuit-proof	No
Suitable for safety functions	No
Switching frequency	500 Hz

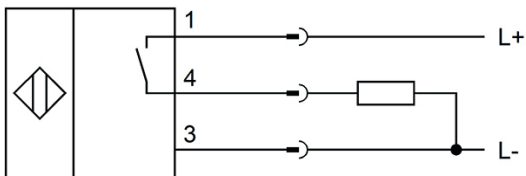
ELECTRICAL DATA

Two switching points	No
Type of electrical connection	Connector M8
Type of switching function	Normally open contact
Type of switching output	Dry reed contact
Voltage drop	0.2 V
Voltage type	AC/DC
With LED display	Yes
With monitoring function of downstream devices	No

OTHER DATA

Cylinder sensors	Yes
Harsh environmental conditions	No
Metallic sensor surface	No
Oil and cooling lubricants	No
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

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!

Never use these devices in applications where the safety of a person depends on their functionality.