

**MRR90175****MAGNETIC SENSORS • SENSORS FOR PNEUMATIC CYLINDERS**

10-30V DC,100mA,M8-Stecker 90°

**MECHANICAL DATA**

Ambient temperature	-25 °C ... 75 °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	20 mm
Sensor surface position	Center of the device
Strong vibration / motion	No

**ELECTRICAL DATA**

Cross/short circuit identification possible	No
Hysteresis	1 mm
Low sensitivity	No
Low switching hysteresis	No
Max. output current	100 mA
Number of pins	3
Number of switching outputs	1
Operating voltage	10 V ... 30 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
Two switching points	No
Type of electrical connection	Connector M8
Type of switching function	Normally open contact

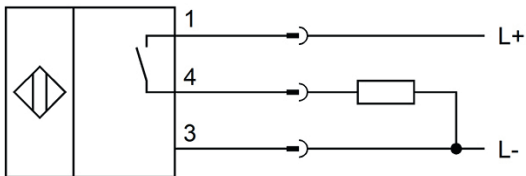
## ELECTRICAL DATA

Type of switching output	PNP
Voltage drop	0.2 V
Voltage type	DC
With LED display	Yes
With monitoring function of downstream devices	No

## OTHER DATA

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

### 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!