

## MRR90171

### MAGNETIC SENSORS • SENSORS FOR PNEUMATIC CYLINDERS

sensor magnetic, reed, 9mm round, Ø9mm 40long, 1x Dry reed contact NO, Connector M8 3pin, IP67, Aluminum, LED, mounting Lateral, Sensor surface position Center of the device



#### MECHANICAL FEATURES

Ambient temperature	-25 °C ... 75 °C
Degree of protection (IP)	IP67
Design	Cylinder plain
Housing material	Aluminum
Increased ambient temperatures > 80°C	-
Metal housing	+
Mounting access, cylinder groove	Lateral
Sensor diameter	9 mm
Sensor length	40 mm
Sensor surface position	Center of the device
Strong vibration / motion	-
Version	9mm round

#### ELECTRICAL FEATURES

Cross/short circuit identification possible	-
Hysteresis	1 mm
Low sensitivity	-
Low switching hysteresis	-
Number of pins	3
Number of switching outputs	1
Operating voltage	10 V ... 30 V
Rated switching current	1500 mA
Reed contact	+
Relative repeat accuracy	1 mm
Reverse polarity protection	-
Setting via teach-in	-
Short-circuit protection	-
Suitable for safety functions	-
Switching frequency	500 Hz
Two switching points	-
Type of electrical connection	Connector M8
Type of switching function	Normally open contact
Type of switching output	Dry reed contact

## ELECTRICAL FEATURES

Voltage drop	0.2 V
Voltage type	AC/DC
With LED display	+
With monitoring function of downstream devices	-

## OTHER FEATURES

Cylinder sensors	+
Harsh environmental conditions	-
Metallic sensor surface	-
Oil and cooling lubricants	-
Short travel path	-

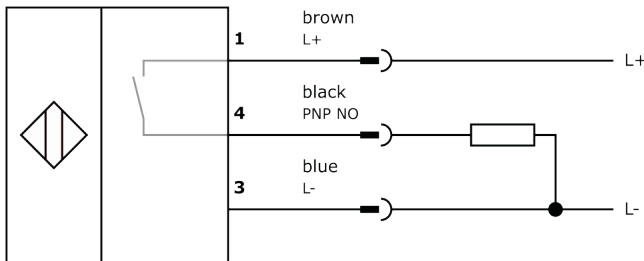
## Other

Packaging dimensions	80mm x 17.0mm x 120mm
Shipping weight	0.01kg
Tariff code	85365019

## Classification

ipf product group	221
eClass 8.0	27270105
eClass 9.0	27270105
eClass 9.1	27270105
ETIM-5.0	EC002544
ETIM-6.0	EC002544
ETIM-7.0	EC002544

## Connection



## 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.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.