

MRR90107**MAGNETIC SENSORS • SENSORS FOR PNEUMATIC CYLINDERS**

10-30V DC,1500mA,2,5m Kabel

**MECHANICAL DATA**

| | |
|---------------------------------------|----------------------|
| Ambient temperature (MAX) | 75 °C |
| Ambient temperature (MIN) | -25 °C |
| Cable length | 2.5 m |
| Degree of protection (IP) | IP67 |
| Housing design | Cylinder plain |
| Housing material | Aluminium |
| Increased ambient temperatures > 80°C | No |
| Material of cable sheath | PVC |
| Metal housing | Yes |
| Mounting access, cylinder groove | Lateral |
| Number of wires | 3 |
| Sensor diameter | 9 mm |
| Sensor length | 33 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 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 |

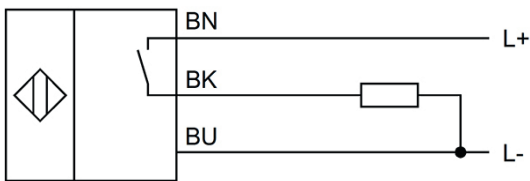
ELECTRICAL DATA

| | |
|------------------------------------------------|-----------------------|
| Suitable for safety functions | No |
| Switching frequency | 500 Hz |
| Two switching points | No |
| Type of electrical connection | Cable |
| 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: BN (brown), BU (blue), BK (black)

Functions: BN = L+, BU = L-, BK = 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.