

MR0701AA

MAGNETIC SENSORS • SENSORS FOR PNEUMATIC CYLINDERS

10-30V DC,100mA,5m PUR-Kabel



MECHANICAL DATA

Ambient temperature	-25 °C ... 75 °C
Cable length	5 m
Degree of protection (IP)	IP67
Housing design	Cuboid
Housing material	Zinc die-cast
Increased ambient temperatures > 80°C	No
Material of cable sheath	PUR (Polyurethane)
Metal housing	Yes
Mounting access, cylinder groove	Lateral
Number of wires	3
Sensor height	6.3 mm
Sensor length	30 mm
Sensor surface position	Center of the device
Sensor width	6.2 mm
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

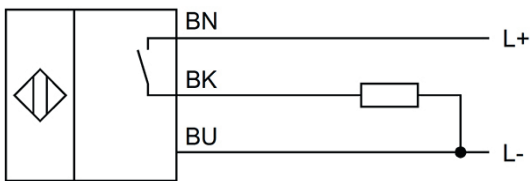
ELECTRICAL DATA

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	DC
With LED display	No
With monitoring function of downstream devices	No

OTHER DATA

Cylinder sensors	Yes
Cylinder version	With T-groove
Harsh environmental conditions	No
Metallic sensor surface	No
Oil and cooling lubricants	Yes
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!