MS990371

SAFETY SYSTEMS • MAGNETIC SENSORS

Magnetic proximity switches are contact-free sensors. They detect magnetic objects and - or magnets, regardless of whether they move or not. Since magnetic fields penetrate all non-magnetizable materials, the sensors can detect magnets through walls made of nonferrous heavy metal, stainless steel, aluminum, plastic, wood or through excessive sailing, for instance. The achievable sensing range of the devices depends on the strength of the affecting magnetic field. Magnetic sensors are used for positioning (e.g. position checks on hoisting gear), speed checks (e.g. on conveyor belts or transmission cog wheels through the aluminum housings) or for position detection (e.g. of goods carriers).

MECHANICAL DATA

Ambient temperature	-20 °C ... 70 °C
Cable length	3 m
Degree of protection (IP)	IP67
Housing design	Cuboid
Housing material	Plastic
Increased ambient temperatures > 80°C	No
Material of cable sheath	PVC
Metal housing	No
Number of wires	4
Sensor height	88 mm
Sensor length	13 mm
Sensor width	25 mm
Strong vibration / motion	No
Wire cross section	0.25 mm²

ELECTRICAL DATA

Cross/short circuit identification possible	No
Low sensitivity	No
Low switching hysteresis	No
Max. output current	100 mA
Number of switching outputs	2
Operating voltage	30 V ... 30 V
Reed contact	Yes
Reverse polarity protection	No
Setting via teach-in	No
Short-circuit-proof	No
Suitable for safety functions	Yes
Two switching points	No
Type of electrical connection	Cable
Type of switching function	Anticoincidence
Type of switching output	Dry reed contact

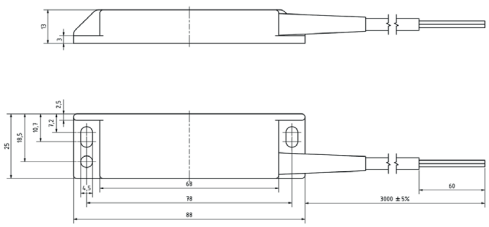
ELECTRICAL DATA

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

OTHER DATA

Cylinder sensors	No
Harsh environmental conditions	No
Metallic sensor surface	No
Oil and cooling lubricants	No
Performance level acc. to EN ISO 13849-1	Level d
Short travel path	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!

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