

# Proximity-Magnet Switch KRS060

## Version KRS060-AH1C08L100

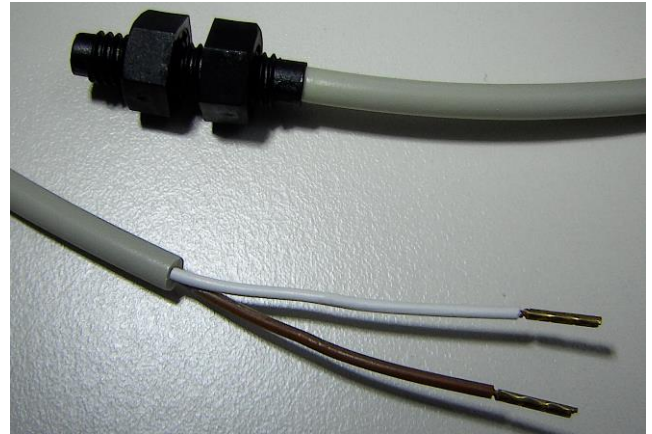
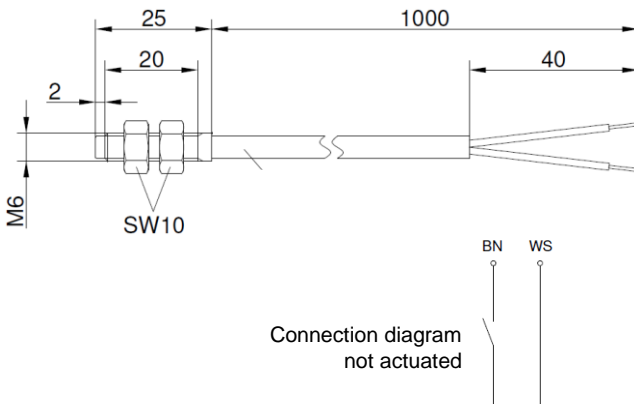
This proximity switch is based on reed switch technology and has been developed for cost sensitive applications.

Depending on the actuator it reliably switches up to 40mm distance. Different cable lengths and connectors are available on request.

Matching actuators (magnets) are available.

### Features:

- Up to 50 Mio. switching cycles
- Up to 40mm switching distances (depending on actuator / magnet)
- contamination proof
- Also switches through non-ferromagnetic metals
- Polarity insensitive



### Other sensor types and options:

- Rectangular-, M5-, M6- and M8-Sensor housing
- Normally open and changeover switch versions
- Reedcontact of up to 50 Watt in M8 housing
- different cable lengths and connectors on request
- 100% customized sensors on request
- **Lots of different actuators / magnets available**

### Technical specifications:

Technology	Reed-switch
Function	Normally open switch
Switching distances	Up to 40mm
Repeatability	< 1%
Expected switching cycles: 5 V / 1mA 24 V / 10mA	Typical 100 Mio. 10 Mio.

### Mechanical specifications:

Housing	Plastic PA6 GF30
design	Cylindrical
Diameter max	M6 x 1 Thread
Housing length max	25mm
Connection Conductors	1m PVC-cable isolated 0,25mm <sup>2</sup> with sleeves

### Electric specifications:

Switching power	Max. 10 W
Switching Voltage	Max. 200 VDC
Switching current	Max. 500mA
Contact resistance	100 mΩ
Operating - / release time	0,6 / 0,2 ms
Operating power	Not required
reverse-polarity	insensitive
Inductive and capacitive load	Switch has to be protected

### Environmental conditions:

Working temperature	In motion: -5...+70°C Static: -40...+80°C
IP rating	IP 65 bis typ. 67 conform
Shock/vibrations	100g / 30g