## Proximity-Magnet Switch KRS140 Version KRS140-AN4L08L100

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 20 mm distance. Different cable lengths and connectors are available on request.
Matching actuators (magnets) are available.
Features:
-50W high performance switch

- Up to 50 Mio. switching cycles and logic level loads
- Up to 20 mm switching distances (depending on actuator / magnet)
- contamination proof
- Operates through non-ferrous metals




## Technical specifications:

| Technology | Reed-switch |
| :--- | :--- |
| Function | Normally open switch |
| Switching distances | Up to 20mm |
| Repeatability | $<1 \%$ |
| Switching cycles at: | Results from tests: |
| $240 \mathrm{~V} / 10 \mathrm{~mA}$ | 5 Mio. |
| $240 \mathrm{~V} / 100 \mathrm{~mA}$ | 20 Mio. |
| $24 \mathrm{~V} / 10 \mathrm{~mA}$ | 50 Mio. |

Mechanical specifications:

| Housing | PA 66 Plastic |
| :--- | :--- |
| design | Rectangular with flange |
| Dimensions (L $\times \mathrm{W} \times \mathrm{H})$ | $26 \times 14 \times 7,5 \mathrm{~mm}$ |
| Flange $(\mathrm{H} \times \mathrm{W})$ | $3.5 \times 6,5 \mathrm{~mm}$ |
| Connection | $1000 \mathrm{~mm}^{2}$ wire |
| Conductors | $0,25 \mathrm{~mm}^{2}$ with sleeves |

Other sensor types and options:

- Round-, M5-, M6- und M8-Sensor housing
- Normally open and changeover switch versions
- Change over or normally open contacts
- Different cable lengths and connectors on request
- 100\% customized sensors on request
- Lots of different actuators / magnets available

Electric specifications:

| Switching power | Max. 50 W |
| :--- | :--- |
| Switching Voltage | Max. 265 VAC rms |
| Switching current | Max. 1000 mA |
| Contact resistance | $100 \mathrm{~m} \Omega$ |
| Operating - / release time | Ca. $0,75 \mathrm{~ms} / 0,3 \mathrm{~ms}$ |
| Operating power | Not required |
| short-circuit proof | Yes |
| Inductive and capacitive <br> load | Switch has to be <br> protected |

## Environmental conditions:

| Working temperature | In motion: T.B.A <br> Statict: T.B.A |
| :--- | :--- |
| IP rating | IP 65 to typ. 67 conform |
| Shock/vibrations | $100 \mathrm{~g} / 30 \mathrm{~g}$ |

