

PSR-MIS-RL-A-R - Safety switch actuator



1533187

<https://www.phoenixcontact.com/us/products/1533187>

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Non-contact safety switch, reinforced actuator, up to Cat. 4, PL e (EN ISO 13849), SIL 3 (EN IEC 62061), design 4 (EN ISO 14119), low encoding level, flat design



Product description

The PSR-MIS non-contact safety switches offer a cost-optimized safety solution. The safety switches in this series use the proven magnetic switching principle for monitoring of movable guards and are easy to install.

Your advantages

- Cost-optimized safety switch
- Tried-and-tested magnetic switching principle
- Flat design
- Reinforced actuator for increasing the switching distances
- Spacer plates for mounting on ferrous material available as accessories

Commercial data

Item number	1533187
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN04
Product key	DNA643
GTIN	4067923002845
Weight per piece (including packing)	67.26 g
Weight per piece (excluding packing)	36 g
Customs tariff number	85389099
Country of origin	DE

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Technical data

Product properties

Product type	Safety switches
Product family	PSR-MIS
Technology	Magnetic
Application	Safety door monitoring
	Position monitoring
Design in accordance with EN ISO 14119	4
Encoding level in accordance with EN ISO 14119	low

Switching intervals (Actuation position frontal)

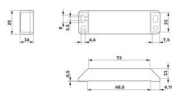
Actuation setting	1 (frontal), see the "Actuation positions and travel directions" section in the data sheet
Fused switching interval S_{ao}	5 mm
Fused power off interval S_{ar}	18 mm (Sensor type NONO contacts)
	25 mm (Sensor type NONC contacts)
Switching hysteresis	2.5 mm

Connection data

Conductor connection

Connection method	without
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Dimensions

Dimensional drawing	
Width	88 mm
Height	25 mm
Depth	14 mm

Material specifications

Color (Housing)	traffic yellow (RAL 1023)
Housing material	PBT

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C
Maximum altitude	≤ 2000 m (Above sea level)
Shock	30g, 11 ms
Vibration (operation)	10 Hz ... 55 Hz

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Mounting

Mounting type	not flush
Assembly note	Note EN ISO 14119
	max. tightening torque to secure: 1 Nm
Mounting position	any, sensor and actuator parallel to each other
Minimum distance	min. 50 mm (between two safety switching systems)

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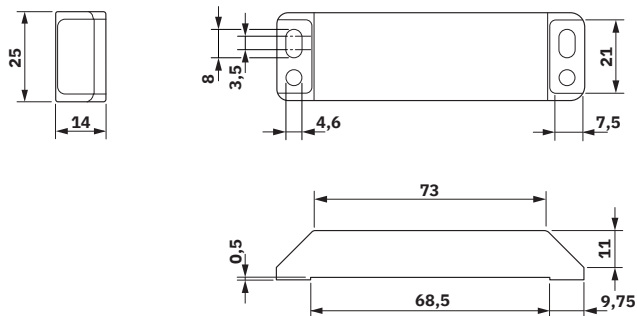
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Drawings

Dimensional drawing



Dimensions (in mm)

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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1533187>



ETLus

Approval ID: Industrial Component



cETL

Approval ID: Industrial component



Functional Safety

Approval ID: Z10029429 0060 Rev01

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Classifications

ECLASS

ECLASS-13.0	27274401
ECLASS-15.0	27274401

ETIM

ETIM 10.0	EC002544
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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