

PSR-MIS-RS-A-N - Safety switch actuator



1534482

<https://www.phoenixcontact.com/in/products/1534482>

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Non-contact safety switch, actuator, up to Cat. 4, PL e (EN ISO 13849), SIL 3 (EN IEC 62061), design 4 (EN ISO 14119), low encoding level, compact 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
- Compact design
- Standard actuator
- Spacer plates for mounting on ferrous material available as accessories

Commercial data

Item number	1534482
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNA642
GTIN	4067923005587
Weight per piece (including packing)	36 g
Weight per piece (excluding packing)	17 g
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}	8 mm
Fused power off interval S_{ar}	17 mm
Switching hysteresis	1.5 mm

Connection data

Conductor connection

Connection method	without
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Dimensions

Dimensional drawing	
Width	36 mm
Height	26 mm
Depth	13 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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1534482

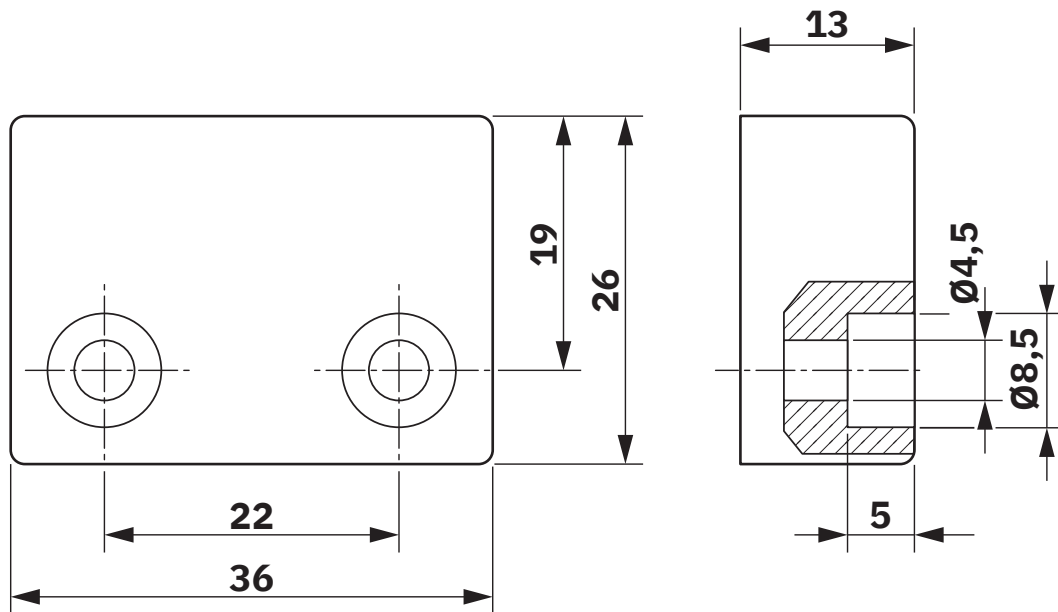
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Mounting

Mounting type	not flush
Assembly note	Note EN ISO 14119
	max. tightening torque to secure: 2.9 Nm
Mounting position	any, sensor and actuator parallel to each other
Minimum distance	min. 50 mm (between two safety switching systems)

Drawings

Dimensional drawing



Dimensions (in mm)

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1534482

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Approvals

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ETLus

Approval ID: Industrial Component



cETL

Approval ID: Industrial component



Functional Safety

Approval ID: Z1002942900060Rev.00

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Classifications

ECLASS

ECLASS-13.0	27274401
ECLASS-15.0	27274401

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, No electrical and electronic equipment (EEE), cannot be used in EEE
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EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in