

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



1534476

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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, 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

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

Commercial data

Item number	1534476
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNA642
GTIN	4067923006409
Weight per piece (including packing)	34 g
Weight per piece (excluding packing)	16 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)

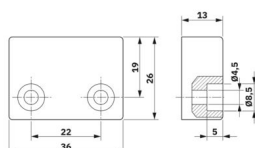
Actuation setting	1 (frontal), see the "Actuation positions and travel directions" section in the data sheet
Fused switching interval S_{ao}	8.5 mm () 9 mm ()
Fused power off interval S_{ar}	21 mm
Switching hysteresis	2.5 mm

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

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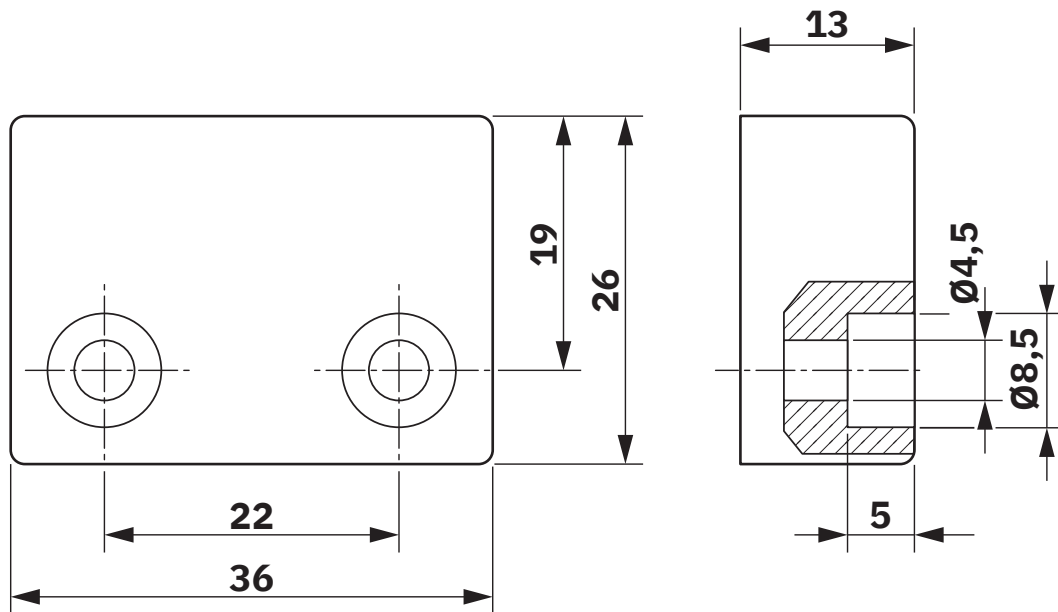
Vibration (operation)	10 Hz ... 55 Hz
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Mounting

Mounting type	not flush
Assembly note	Note EN ISO 14119
	max. tightening torque to secure: 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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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1534476>



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

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