

PSR-MIS-RS-S-NONC-C-5,0PVC - Safety switch sensor



1534496

<https://www.phoenixcontact.com/in/products/1534496>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Non-contact safety switch, sensor, up to Cat. 4, PL e (EN ISO 13849), SIL 3 (EN IEC 62061), design 4 (EN ISO 14119), low encoding level, 1 N/O contact, 1 N/C contact, compact design, 5 m open PVC cable

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
- Can be used with reinforced actuator
- Flexible connection, due to open cable end
- Spacer plates for mounting on ferrous material available as accessories

Commercial data

Item number	1534496
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNA642
GTIN	4067923005860
Weight per piece (including packing)	170 g
Weight per piece (excluding packing)	148 g
Country of origin	DE

PSR-MIS-RS-S-NONC-C-5,0PVC - Safety switch sensor



1534496

<https://www.phoenixcontact.com/in/products/1534496>

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

Insulation characteristics

Pollution degree	3
------------------	---

Times

Response time	1 ms
---------------	------

Switching intervals (Actuation position frontal)

Actuation setting	1 (frontal), see the "Actuation positions and travel directions" section in the data sheet
-------------------	--

Electrical properties

Sensor

Contact switching type	1 N/C contact, 1 N/O contact
Utilization category	DC12
Rated insulation voltage U_i	max. 75 V DC
	max. 50 V AC
Voltage	min. 0 V DC (SELV/PELV)
	max. 28.8 V DC (SELV/PELV)
Current	min. 0 mA
	max. 100 mA
Rated impulse withstand voltage	0.8 kV (U_{imp})
Switching frequency	max. 5 Hz
Resistance	22 Ω
Cable length	max. 30 m

Connection data

Conductor connection

Connection method	open cable end
Note regarding the connection technology	5 m PVC cable, tin-plated cable end

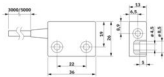
Dimensions

PSR-MIS-RS-S-NONC-C-5,0PVC - Safety switch sensor



1534496

<https://www.phoenixcontact.com/in/products/1534496>

Dimensional drawing	
Width	36 mm
Height	26 mm
Depth	13 mm

Material specifications

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

Characteristics

Safety data: EN ISO 13849-1

Category	4
Performance level (PL)	e

Safety data

Safety Integrity Level (SIL)	3
------------------------------	---

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
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

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)

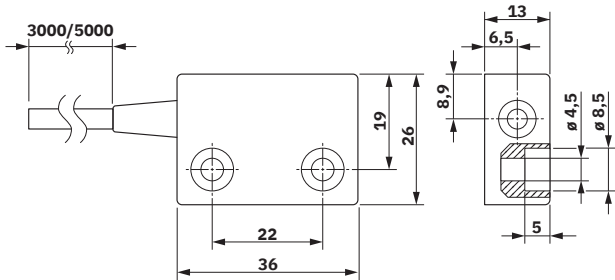
PSR-MIS-RS-S-NONC-C-5,0PVC - Safety switch
sensor



1534496
<https://www.phoenixcontact.com/in/products/1534496>

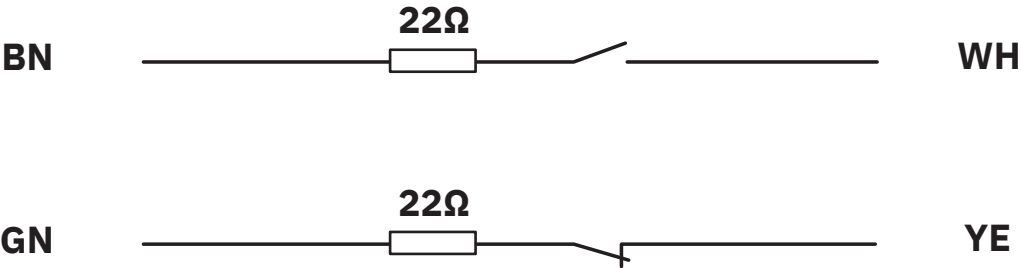
Drawings

Dimensional drawing



Dimensions (in mm)

Circuit diagram



Circuit diagram

PSR-MIS-RS-S-NONC-C-5,0PVC - Safety switch sensor



1534496

<https://www.phoenixcontact.com/in/products/1534496>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1534496>



ETLus

Approval ID: Industrial Component



cETL

Approval ID: Industrial component



Functional Safety

Approval ID: Z1002942900060Rev.00

PSR-MIS-RS-S-NONC-C-5,0PVC - Safety switch sensor



1534496
<https://www.phoenixcontact.com/in/products/1534496>

Classifications

ECLASS

ECLASS-13.0	27274401
ECLASS-15.0	27274401

PSR-MIS-RS-S-NONC-C-5,0PVC - Safety switch sensor



1534496

<https://www.phoenixcontact.com/in/products/1534496>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

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

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in