

PSR-MIS-RL-S-NONO-C-5,0PVC - Safety switch sensor



1533278

<https://www.phoenixcontact.com/us/products/1533278>

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, 2 N/O contacts, flat 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
- Flat design
- Can be used with standard actuator and reinforced actuator
- Flexible connection, due to open cable end
- Spacer plates for mounting on ferrous material available as accessories

Commercial data

Item number	1533278
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN04
Product key	DNA643
GTIN	4067923002364
Weight per piece (including packing)	186.2 g
Weight per piece (excluding packing)	172 g
Customs tariff number	85365019
Country of origin	DE

PSR-MIS-RL-S-NONO-C-5,0PVC - Safety switch sensor



1533278

<https://www.phoenixcontact.com/us/products/1533278>

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	2 N/O contacts
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

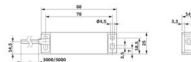
Length (Cable)	5 m
----------------	-----

PSR-MIS-RL-S-NONO-C-5,0PVC - Safety switch sensor



1533278

<https://www.phoenixcontact.com/us/products/1533278>

Dimensional drawing	
Width	88 mm
Height	25 mm
Depth	14 mm

Material specifications

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

Characteristics

Safety data: EN ISO 13849-1

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 (55°C, maximum, in combination with actuator PSR-MIS-RL-A-N (item no. 1533188))
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: 1 Nm
Mounting position	any, sensor and actuator parallel to each other
Minimum distance	min. 50 mm (between two safety switching systems)

PSR-MIS-RL-S-NONO-C-5,0PVC - Safety switch sensor

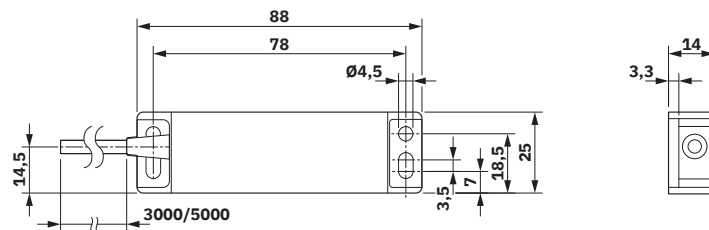


1533278

<https://www.phoenixcontact.com/us/products/1533278>

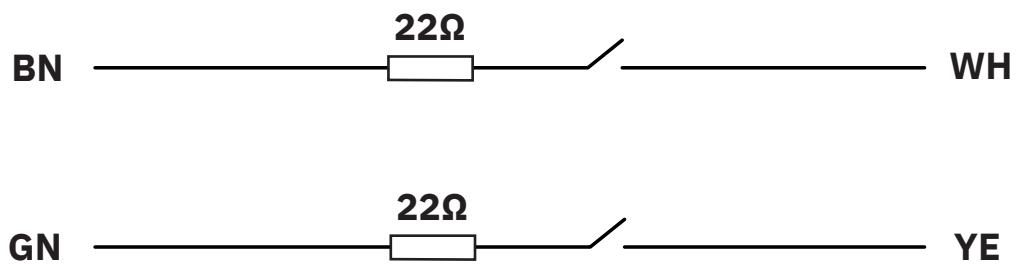
Drawings

Dimensional drawing



Dimensions (in mm)

Circuit diagram



Circuit diagram

PSR-MIS-RL-S-NONO-C-5,0PVC - Safety switch sensor



1533278

<https://www.phoenixcontact.com/us/products/1533278>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1533278>



ETLus

Approval ID: Industrial Component



cETL

Approval ID: Industrial component



Functional Safety

Approval ID: Z10029429 0060 Rev01

PSR-MIS-RL-S-NONO-C-5,0PVC - Safety switch sensor



1533278

<https://www.phoenixcontact.com/us/products/1533278>

Classifications

ECLASS

ECLASS-13.0	27274401
ECLASS-15.0	27274401

ETIM

ETIM 10.0	EC002544
-----------	----------

PSR-MIS-RL-S-NONO-C-5,0PVC - Safety switch sensor



1533278

<https://www.phoenixcontact.com/us/products/1533278>

Environmental product compliance

EU RoHS

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

China RoHS

Environment friendly use period (EFUP)	EFUP-25
	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 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com