

PSR-MIS-C-S-NONC-M8-4P - Safety switch sensor



1533269

<https://www.phoenixcontact.com/in/products/1533269>

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, round design, 4-pos. M8 connector

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
- Round design
- Can be used with standard actuator and reinforced actuator
- M8 connection technology

Commercial data

Item number	1533269
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNA641
GTIN	4067923002180
Weight per piece (including packing)	51 g
Weight per piece (excluding packing)	33 g
Country of origin	DE

PSR-MIS-C-S-NONC-M8-4P - Safety switch sensor



1533269

<https://www.phoenixcontact.com/in/products/1533269>

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	Connector
Connection technology	M8 connector
Contact connection type	Plug
Number of positions	4
Coding	A

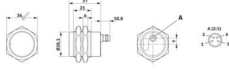
PSR-MIS-C-S-NONC-M8-4P - Safety switch sensor



1533269

<https://www.phoenixcontact.com/in/products/1533269>

Dimensions

Dimensional drawing	
Depth	37 mm
Diameter	28.1 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	IP65 (in combination with suitable mating connector)
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 maximum tightening torque for mounting: Sensor: 10 Nm (mounting nut) Actuator: 2 Nm
Mounting position	any, sensor and actuator parallel to each other
Minimum distance	min. 50 mm (between two safety switching systems)

PSR-MIS-C-S-NONC-M8-4P - Safety switch sensor

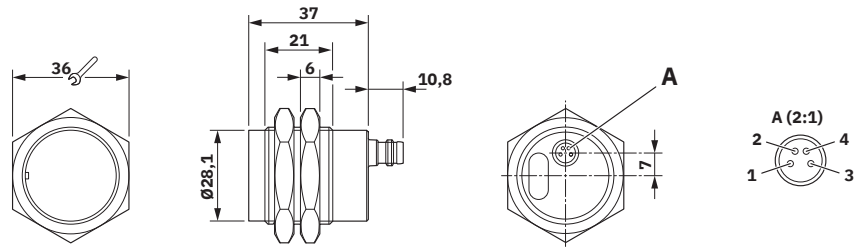


1533269

<https://www.phoenixcontact.com/in/products/1533269>

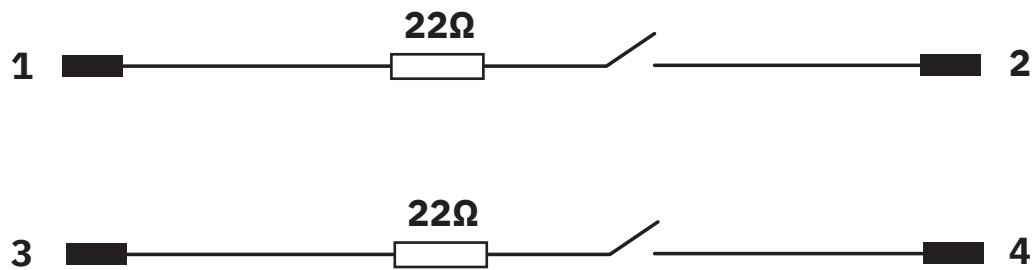
Drawings

Dimensional drawing



Dimensions (in mm)

Circuit diagram



Circuit diagram

PSR-MIS-C-S-NONC-M8-4P - Safety switch sensor



1533269

<https://www.phoenixcontact.com/in/products/1533269>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1533269>



ETLus

Approval ID: Industrial Component



cETL

Approval ID: Industrial component



Functional Safety

Approval ID: Z1002942900060Rev.00

PSR-MIS-C-S-NONC-M8-4P - Safety switch sensor



1533269

<https://www.phoenixcontact.com/in/products/1533269>

Classifications

ECLASS

ECLASS-13.0	27274401
ECLASS-15.0	27274401

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Magnetic/Reed Switches](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[AMS-20MG](#) [AMS-37-G_W/Brk](#) [AMS-38S-I](#) [AMS-39B-W](#) [AMS-10S-B](#) [AMS-25A-I](#) [AMS-38MG](#) [AMS-38SB](#) [AMS-9-B](#) [AMS-T10C\(B\)](#)
[505-171W WHITE](#) [505-211B](#) [505-391G](#) [505-70B](#) [507-382B](#) [BMC-33B](#) [505-101BC](#) [505-101-GC](#) [505-101-WS](#) [505-201W](#) [505-5114B](#)
[BROWN](#) [505-90G](#) [505-90I](#) [507-381BB](#) [TSW-2T](#) [AMS-10MGW](#) [631.4212.695](#) [631.4226.700](#) [630.5121.064](#) [SW GP100/10-15 AT](#) [PSW-21-](#)
[I 4360005](#) [NRC-22-I](#) [KSK-1A66-2030](#) [44531-0200](#) [44531-0260](#) [44531-0710](#) [MK28-1A-500W](#) [MK28-1B-500W](#) [511-59A](#) [35-756](#)
[D40MLCBLM1210M](#) [D40MLCBLM125M](#) [D40PMPC2105R](#) [D40PSPC2105](#) [KSK-1A52-1520](#) [KSK-1A87-2025](#) [KSK-1C90U-1530](#) [KSK-](#)
[1E661-BV14501](#) [KSK-1E85-BV470](#)