

PILZ

THE SPIRIT OF SAFETY

PSEN cs5.11 M12/8/PSEN cs5.11 M12 1unit

542011



RFID safety switch 2 safe SC outputs, 8-pin M12 male connector, support for SDD, IP67, 4 actuation directions, switching distance (actuator at square marking): 11 mm, Sao = 8 mm, Sar = 20 mm, PU = 1 piece coded switch with actuator, magnetic latching holding force 30 N.

Technical details

General data	
Approval:	CE, cULus Listed, FCC, IC, TÜV, ECOLAB, EAC (Eurasian)
Sensor principle:	Transponder
Coding level to ISO 14119:	Low
Classification to EN 60947-5-3:	PDDB
Transponder coding:	coded
Suitable for series connection:	yes
unit type:	Unit
Technical data	
Electrical data	
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	1 W
Inputs	
Number of inputs:	2
DC voltage at input:	24 V DC
Semiconductor outputs	
Number of OSSD outputs:	2
Number of sig. outputs:	1
Potential isolation S/C O:	No



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S/C output short circuit proof:	Yes
Utilisation cat. to EN 60947-1:	DC-12
Environmental data	
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	-25 - 70 °C
Max. ambient temp. at Hmax:	+60 °C
Max. ambient temp. at 2000 m:	+70 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-30
Humidity rating:	93 % r. h. at 40 °C
Perm. operating height ASL:	4000 m
EMC to standard ...:	EN 60947-5-3
Vibration to standard ...:	EN 60947-5-2
Acc. shock to standard1:	30g
Overvoltage category:	III
Pollution degree clear.&creep.:	3
Switching distances	
Change op. dist. temp.change:	+0.02mm/°C
Mechanical data	
Holding force magnet:	30 - 30 N
Type 1 actuator:	PSEN cs5.11 M12
Sensor can be flush-mounted:	Yes, follow installation guide
Connection type:	M12, 8-pin male
Product material:	PBT, PA+GF, Polycarbonate
Height dimension:	26.4 mm
Width dimension:	101.6 mm
Depth dimension:	19 mm
Net weight:	135 g
Gross weight:	155 g

Transponder	
Operating frequency:	122 kHz - 128 kHz
Environment	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	7c I
REACH compliance:	contains min. 1 SVHC-substance
REACH included substances:	Lead oxide
%-part of the pollutant:	> 0,1%
CAS No.:	1317-36-8
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27272403
ETIM Version:	ETIM-7.0
ETIM Reference Group:	EG000026

Optional accessories



540324

PSEN cable angle M12 8-pole 10m



540325

PSEN cable angle M12 8-pole 30m



540326

PSEN cable axial M12 8-pole 30m

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535111

PSEN ix2 F4 code



535112

PSEN ix2 F8 code



540320

PSEN cable axial M12 8-pole 5m



540342

PSEN cable M12-8sf M12-8sm, 10m



540321

PSEN cable axial M12 8-pole 10m



540343

PSEN cable M12-8sf M12-8sm, 20m



540344

PSEN cable M12-8sf M12-8sm, 30m



540322

PSEN cable angle M12 8-pole 3m



540323

PSEN cable angle M12 8-pole 5m

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540130

SDD ES ETH



540132

SDD ES PROFIBUS



773613

PDP67 F 4 code VA



540313

PSEN screw M4x20 10pcs



540314

PSEN screw M4x26 10pcs



540138

SDD ES PROFINET



540337

PSEN Y junction M8-M12/M12 PIGTAIL



540315

PSEN Y junction M12 SENSOR



540338

PSEN Y junction M12-M12/M12 PIGTAIL

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540316

PSEN Y junction M12 cable channel



540331

PSEN T junction (auxiliary contact) M12



540333

PSEN cable M12-8sf, 20m



532111

PSEN mag/cs bracket straight



532110

PSEN Winkel / bracket



540319

PSEN cable axial M12 8-pole 3m



532109

PSEN cs bracket stop sliding door



532108

PSEN cs bracket stop swinging door



540340

PSEN cable M12-8sf M12-8sm, 2m



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540341

PSEN cable M12-8sf M12-8sm, 5m



773603

PDP67 F 4 code



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