

## PSEN cs3.1n / PSEN cs3.1 1 Unit

541003

RFID safety switch 2 safe SC outputs, 5-pin M12 male connector, one actuation direction, IP67, switching distance 11 mm, Sao = 8 mm, Sar= 20 mm, PU = 1 piece coded switch with actuator.



## Technical details

### General data

Approval:	CE, UKCA, cULus Listed, FCC, IC, TÜV, 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:	no
unit type:	Unit

### Technical data

#### Electrical data

Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	1 W

#### Semiconductor outputs

Number of OSSD outputs:	2
Number of sig. outputs:	1
Potential isolation S/C O:	No
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 60068-2-78
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:	+0.01mm/°C
Mechanical data	
Bend radius (when laying) K1:	5 x Ø
Type 1 actuator:	PSEN cs3.1
Sensor can be flush-mounted:	Yes, follow installation guide
Connection type:	M12, 5-pin male
Cable lines:	Li9Y11Y 8 x 0.14 mm <sup>2</sup>
Housing material upper part:	PBT
Height dimension:	37 mm
Width dimension:	26 mm
Depth dimension:	18 mm
Net weight:	50 g
Gross weight:	70 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.:	7a, 6c, 7c I
REACH included substances:	Lead,
%-part of the pollutant:	> 0,1%
CAS No.:	7439-92-1, 1317-36-8
WEEE classification (08/2018):	5 devices (feed size < 50cm)
SCIP entry available:	0
Commercial data	
Harmonized System Code:	85365019
UNSPSC 25:	39122205
EAN-Code:	4046548060805
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27274601
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000026
ETIM Reference Feature:	EC002592
Volume:	0 dm3

## Optional accessories












380209

PSS67 Cable M12sf M12sm, 5m



630347

PSEN op cable angle M12 5-pole 3m

	630311	PSEN op cable axial M12 5-pole 5m
	630312	PSEN op cable axial M12 5-pole 10m
	630348	PSEN op cable angle M12 5-pole 5m
	630349	PSEN op cable angle M12 5-pole 10m
	630350	PSEN op cable angle M12 5-pole 30m
	630298	PSEN cable M12-5sf 20m
	380210	PSS67 Cable M12sf M12sm, 10m
	380211	PSS67 Cable M12sf M12sm, 30m
	630310	PSEN op cable axial M12 5-pole 3m



380220

PSS67 cable M12-5sf, M12-5sm, 20m



630297

PSEN op cable axial M12 5-pole 30m



380214

PSS67 Cable M12af M12am, 10m



380215

PSS67 Cable M12af M12am, 30m



380212

PSS67 Cable M12af M12am, 3m



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380213

PSS67 Cable M12af M12am, 5m



380208

PSS67 Cable M12sf M12sm, 3m