

PSEN cs2.13p / PSEN cs2.1 / ATEX

540105

RFID safety switch 2 safe SC outputs, 8-pin M12 male connector, 4 actuation directions, support for SDD, IP67, switching distance 21 mm, Sao = 15 mm, Sar = 40 mm, series connection, PU = 1 piece fully coded switch with actuator, ATEX approval. A total of 8 teach-in processes is possible.



Technical details

General data	
Approval:	CE, cULus Listed, FCC, ATEX, IC, electrosuisse, EAC (Eurasian), ECOLAB, TÜV
Sensor principle:	Transponder
Coding level to ISO 14119:	High
Classification to EN 60947-5-3:	PDDB
Transponder coding:	fully 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:	2 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

S/C output short circuit proof:	Yes
Utilisation cat. to EN 60947-1:	DC-12
Environmental data	
ATEX certificate number:	SEV 12 ATEX 0122 X
ATEX category gas:	II 3G Ex ec mc IIC 90°C(T5) Gc
ATEX category dust:	II 3D Ex mc tc IIIC T90°C Dc
ATEX application area X:	X: $-25^{\circ}\text{C} \leq t_a \leq +40^{\circ}\text{C}$
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	-25 - 40 °C
Max. ambient temp. at Hmax:	+40 °C
Max. ambient temp. at 2000 m:	+40 °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	
Type 1 actuator:	PSEN cs2.1
Sensor can be flush-mounted:	Yes, follow installation guide
Connection type:	M12, 8-pin male
Housing material upper part:	PBT
Height dimension:	75 mm
Width dimension:	40 mm

Depth dimension:	40 mm
Net weight:	150 g
Gross weight:	183 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, 7c I
REACH compliance:	contains min. 1 SVHC-substance
REACH included substances:	Lead, Lead oxide
%-part of the pollutant:	> 0,1%
CAS No.:	7439-92-1, 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



540338

PSEN Y junction M12-M12/M12 PIGTAIL



540342

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



540320

PSEN cable axial M12 8-pole 5m



540331

PSEN T junction (auxiliary contact) M12



540343

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



540321

PSEN cable axial M12 8-pole 10m



540344

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



540333

PSEN cable M12-8sf, 20m



540322

PSEN cable angle M12 8-pole 3m



540311

PSEN screw M5x10 10pcs



540323

PSEN cable angle M12 8-pole 5m



540312

PSEN screw M5x20 10pcs



540319

PSEN cable axial M12 8-pole 3m



540130

SDD ES ETH



540340

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



540341

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



540132

SDD ES PROFIBUS



773603

PDP67 F 4 code
