

PSEN sl-0.5p 1.1 1switch

570510



Magnetic safety gate system for applications up to SIL3/PL e/Cat4. Magnetic holding force 500N (process protection). Coding: coded, 8-pin M12 connector, 4 LEDs, IP67, package contents = 1 sensor without actuator

Technical details

General data

Approval:	CE, UKCA, cULus Listed, FCC, IC, EAC (Eurasian), TÜV
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:	Sensor

Technical data

Electrical data

Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	4.8 W

Inputs

Number of inputs:	3
DC voltage at input:	24 V DC

Semiconductor outputs

Number of OSSD outputs:	2
Number of sig. outputs:	1
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 - 55 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-78
Humidity rating:	93 % r. h. at 40 °C
EMC to standard ...:	EN 55011: Class A, EN 60947-5-3, EN 62061
Vibration to standard ...:	EN 60947-5-2
Acc. shock to standard1:	30g
Overvoltage category:	III
Pollution degree clear.&creep.:	3
Mechanical data	
Holding force magnet on:	500 N
Max. vertical offset:	5 mm
Max. angular offset:	2.5 deg
Type 1 actuator:	PSEN sl-0.5 1.1
Type 2 actuator:	PSEN sl-0.5fm 1.1
Sensor can be flush-mounted:	Yes, follow installation guide
Connection type:	M12, 8-pin male
Cable lines:	LiYY 8 x 0.25 mm ²
Housing material upper part:	PBT
Material of base plate:	Anticorodal, hard anodised
Height dimension:	122 mm
Width dimension:	45 mm
Depth dimension:	44 mm
Net weight:	570 g
Gross weight:	630 g
Transponder	

Operating frequency:	122 kHz - 128 kHz
Environment	
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27272603
ETIM Version:	ETIM-7.0
ETIM Reference Group:	EG000026
ETIM Reference Feature:	EC002593

Obligatory 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



540320

PSEN cable axial M12 8-pole 5m



540321

PSEN cable axial M12 8-pole 10m



540322

PSEN cable angle M12 8-pole 3m



540323

PSEN cable angle M12 8-pole 5m



540319

PSEN cable axial M12 8-pole 3m

Optional accessories



540342

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



540331

PSEN T junction (auxiliary contact) M12



540343

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



540344

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



540333

PSEN cable M12-8sf, 20m



540312

PSEN screw M5x20 10pcs



540340

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



540341

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



570550

PSEN sl bracket swing door



540328

PSEN Y junction M12-M12/M12



570551

PSEN sl bracket sliding door



773603

PDP67 F 4 code