

PSEN sl-0.5n 2.1 / PSEN sl-0.5 1unit

570504



Magnetic safety gate system for applications up to SIL3/PL e/Cat4. Magnetic holding force 500N (process protection). Coding: fully coded, 5-pin M12 connector, 4 LEDs, IP67, package contents = sensor with standard actuator

Technical details

General data

Approval:	CE, UKCA, cULus Listed, FCC, IC, TÜV, EAC (Eurasian)
Sensor principle:	Transponder
Coding level to ISO 14119:	High
Classification to EN 60947-5-3:	PDDb
Transponder coding:	fully 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:	4.8 W

Inputs

Number of inputs:	1
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Semiconductor outputs

Number of OSSD outputs:	2
Number of sig. outputs:	0
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 2.1
Sensor can be flush-mounted:	Yes, follow installation guide
Connection type:	M12, 5-pin male
Cable lines:	LiYY 5 x 0.25 mm ²
Housing material upper part:	PBT
Material of anchor plate:	Nickel-plated steel
Material of base plate:	Anticorodal, hard anodised
Material actuator:	Anticorodal, hard anodised
Height dimension:	122 mm
Width dimension:	45 mm
Depth dimension:	44 mm
Net weight:	950 g
Gross weight:	990 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



630310

PSEN op cable axial M12 5-pole 3m



630297

PSEN op cable axial M12 5-pole 30m



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

Optional accessories



380209

PSS67 Cable M12sf M12sm, 5m



540312

PSEN screw M5x20 10pcs



570552

PSEN sl restart interlock (padlock)



570550

PSEN sl bracket swing door



570551

PSEN sl bracket sliding door



630350

PSEN op cable angle M12 5-pole 30m



380210

PSS67 Cable M12sf M12sm, 10m



630298

PSEN cable M12-5sf 20m



380211

PSS67 Cable M12sf M12sm, 30m



380220

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



380214

PSS67 Cable M12af M12am, 10m



380215

PSS67 Cable M12af M12am, 30m



380212

PSS67 Cable M12af M12am, 3m



773600

PDP67 F 8DI ION



380213

PSS67 Cable M12af M12am, 5m



380208

PSS67 Cable M12sf M12sm, 3m
