PSEN sl-0.5p 2.1 / PSEN sl-0.5 1unit 570501

Magnetic safety gate system for applications up to SIL3/PL e/Cat4. Magnetic holding force 500N (process protection). Coding: fully coded, 8-pin M12 connector, 4 LEDs, IP67, package contents = sensor with standard actuator

Technical details

General data	
Approval:	CE, UKCA, cULus Listed, FCC, IC, EAC (Eurasian), 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:	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 2.1
Sensor can be flush-mounted:	Yes, follow installation guide
Connection type:	M12, 8-pin male
Cable lines:	LiYY 8 x 0.25 mm2
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 classifikation (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
	570552	PSEN sl restart interlock (padlock)
	540328	PSEN Y junction M12-M12/M12
	570550	PSEN sl bracket swing door
	570551	PSEN sl bracket sliding door
	540340	PSEN cable M12-8sf M12-8sm, 2m
	540341	PSEN cable M12-8sf M12-8sm, 5m
	773603	PDP67 F 4 code