PSEN sl2-IM2-P switch 6N000020



Safety switch with electromagnetic guard locking, fully coded, for safety guard locking device PSENslock2, guard locking for processprotection, guard locking-independent safety outputs, holding force 1000 N, 8-pin M12 male connector, series connection

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:	yes
unit type:	Sensor
Technical data	
Electrical data	
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	4.5 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-13
Environmental data	
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	-20 - 60 °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:	2000 m
EMC to standard ...:	EN 55011: Class A, EN 60947-5-3, EN 61326-3-1
Vibration to standard ...:	EN 60068-2-6
Acc. shock to standard1:	30g
Overvoltage category:	III
Pollution degree clear.&creep.:	3
UL enclosure type:	type 1
Mechanical data	
Max. vertical offset:	5 mm
Sensor can be flush-mounted:	Yes, follow installation guide
Connection type:	M12, 8-pin male
Cable lines:	LiYY 8 x 0.25 mm2
Product material:	Coated steel, Plastic, Stainless steel
Housing material upper part:	PBT
Height dimension:	120 mm
Width dimension:	45 mm
Depth dimension:	44 mm
Net weight:	775 g
Gross weight:	982 g
Transponder	
Operating frequency:	122 kHz - 128 kHz
Environment	

WEEE classifikation (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85365019
UNSPSC 25:	39122205
EAN-Code:	4046548092547
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27272603
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000026
ETIM Reference Feature:	EC002593
Volume:	0 dm3

Obligatory accessories



6N000025 PSEN sl2-M-AL actuator



6N000028 PSEN sl2-M-VA actuator

Optional accessories



540346 PSEN cable M12-8sf M12-8sm, 1m



540324 PSEN cable angle M12 8-pole 10m

	540347	PSEN cable M12-8sf M12-8sm, 1,5m
	540325	PSEN cable angle M12 8-pole 30m
	540326	PSEN cable axial M12 8-pole 30m
	540342	PSEN cable M12-8sf M12-8sm, 10m
	540320	PSEN cable axial M12 8-pole 5m
	540343	PSEN cable M12-8sf M12-8sm, 20m
	540321	PSEN cable axial M12 8-pole 10m
	540344	PSEN cable M12-8sf M12-8sm, 30m
	540322	PSEN cable angle M12 8-pole 3m

	540345	PSEN cable M12-8sf M12-8sm, 0,5m
	540323	PSEN cable angle M12 8-pole 5m
	570552	PSEN sl restart interlock (padlock)
	570550	PSEN sl bracket swing door
	570551	PSEN sl bracket sliding door
	6N000029	Adapter/SL/M12-8SMX/M12-8SFX/M12-8SFX/PT
	380325	PSEN sl adapter
	540315	PSEN Y junction M12 SENSOR
	540338	PSEN Y junction M12-M12/M12 PIGTAIL

	540333	PSEN cable M12-8sf, 20m
	540312	PSEN screw M5x20 10pcs
	540319	PSEN cable axial M12 8-pole 3m
	540340	PSEN cable M12-8sf M12-8sm, 2m
	540341	PSEN cable M12-8sf M12-8sm, 5m
	6N000031	PSEN sl2 Config Key