

PSEN sg2c-3LPE 2.2 unit

570880



Safety gate system 2. generation, safe interlock with safe guard locking, in accordance with EN 60947-5-3, for applications upto SIL CL 3 and PL e. Consisting of 3 elements: 1. Illuminated pushbutton for activating the safety gate, 2. Pushbutton for access and release of the safety gate, 3. Emergency stop pushbutton, uniquely fully coded. Scope of supply: Sensing device with pushbuttons including coloured caps and escape release bar as well as actuator for right or left-hinged doors.

Technical details

General data	
Approval:	CE, UKCA, cULus Listed, FCC, TÜV
Sensor principle:	Transponder
Coding level to ISO 14119:	High
Transponder coding:	unique coding
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
U input to EN 61131-2 Type 2:	24 V DC
Emergency stop	
Number, E-STOP N/C:	2
Release type emergency stop:	Turn release
Switch cap. E-STOP to standard:	EN 60947-5-1
Semiconductor outputs	

Number of OSSD outputs:	2
Number of sig. outputs:	2
S/C output short circuit proof:	Yes
Button	
Contact material button:	AgNi
Switch cap. button to standard:	EN 60947-5-1
Environmental data	
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	-20 - 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 61000-4-8, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-2, EN 61000-4-3
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
Switching distances	
Change op. dist. temp.change:	+/-0.01mm/°C
Mechanical data	
Escape release available:	Yes
Holding force, closing movemen:	1000 N
Holding force pan direction:	2000 N
Max. vertical offset:	+/-2.5 mm
Max. angular offset:	+/-1.5 deg
Type 1 actuator:	PSEN sg2 actuator 2.2
Connection type:	Pluggable spring terminal

Cable lines:	LiYY 24 x 0.5 mm ²
Housing material upper part:	Plastic
Material actuator:	Stainless steel
Height dimension:	465 mm
Width dimension:	200 mm
Depth dimension:	108 mm
Net weight:	2570 g
Gross weight:	2950 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, 6c, 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 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

Optional accessories

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PSEN sg color covers (pushbutton)



570777

PSEN sg2c Set spring loaded terminals



570871

PSEN sg auxiliary release pin



570773

PSEN sg2 cover 2pieces



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PSEN sg escape release pin

