

PSEN sg2c-3LPE switch

570801



Safety gate system 2. generation, safe interlock with safe guard locking, in accordance with EN 60947-5-1, 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. Scope of supply: Sensing device with pushbuttons (spare).

Technical details

General data	
Approval:	CE, UKCA, cULus Listed, FCC, TÜV
Sensor principle:	Transponder
Coding level to ISO 14119:	gering
Transponder coding:	codiert
Suitable for series connection:	ja
unit type:	Sensor
Technical data	
Electrical data	
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	2
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:	Drehentriegelung
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:	ja
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
Protection type, housing:	IP54
Switching distances	
Change op. dist. temp.change:	+,-0,01mm/°C
Mechanical data	
Escape release available:	ja
Holding force, closing movemen:	1000
Holding force pan direction:	2000
Type 1 actuator:	PSEN sg2 actuator
Connection type:	Federzugklemme steckbar
Cable lines:	LiYY 24 x 0,5 mm ²
Housing material upper part:	Kunststoff

Material actuator:	Edelstahl
Height dimension:	465 mm
Width dimension:	46.5 mm
Depth dimension:	74.5 mm
Net weight:	1080 g
Gross weight:	1170 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 included substances:	Lead, Lead oxide
%-part of the pollutant:	> 0,1%
CAS No.:	7439-92-1, 1317-36-8
WEEE klassifikation (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

570875

PSEN sg color covers (pushbutton)



570777

PSEN sg2c Set spring loaded terminals



570871

PSEN sg auxiliary release pin



570773

PSEN sg2 cover 2pieces



570870

PSEN sg escape release pin



570890

PSEN sg2 actuator

