PILZ
THE SPIRIT OF SAFETY

PSEN cs5.1p 1switch 542050



RFiD safety switch, 2 safe SC outputs, 8-pin M8 male connector, IP67, 4 actuation directions, typ. operating distance (square) 11 mm,Sao = 8 mm, Sar = 20 mm, PU = 1 piece coded switch.

Technical details

General data	
Approval:	CE, UKCA, cULus Listed, FCC, IC, TÜV, ECOLAB, EAC (Eurasian)
Sensor principle:	Transponder
Coding level to ISO 14119:	gering
Classification to EN 60947-5-3:	PDDB
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:	1
Inputs	
Number of inputs:	2
DC voltage at input:	24 V DC
Semiconductor outputs	
Number of OSSD outputs:	2
Number of sig. outputs:	1
Potential isolation S/C O:	nein

S/C output short circuit proof:	ja
Utilisation cat. to EN 60947-1:	DC-12
Environmental data	
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	-25 - 70 °C
Max. ambient temp. at Hmax:	+60 °C
Max. ambient temp. at 2000 m:	+70 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-30
Humidity rating:	93 % r. h. at 40 °C
Perm. operating height ASL:	4000 m
EMC to standard ...:	EN 60947-5-3
Vibration to standard ...:	EN 60947-5-2
Acc. shock to standard1:	30g
Overvoltage category:	III
Pollution degree clear.&creep.:	3
Protection type, housing:	IP66, IP67
Switching distances	
Change op. distance temp.act.1:	+-0,02mm/°C
Change op. distance temp.act.2:	+-0,02mm/°C
Change op. distance temp.act.3:	+-0,02mm/°C
Mechanical data	
Sensor can be flush-mounted:	Ja, Montagehinweis beachten
Connection type:	M8, 8pol. male
Product material:	PBT, PA+GF, Polycarbonat
Height dimension:	26.4
Width dimension:	97.59999999999999
Depth dimension:	13
Net weight:	48

Gross weight:	58
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.:	7c I
REACh compliance:	contains min. 1 SVHC-substance
REACh included substances:	Lead oxide
%-part of the pollutant:	> 0,1%
CAS No.:	1317-36-8
WEEE classifikation (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27272403
ETIM Version:	ETIM-7.0
ETIM Reference Group:	EG000026
ETIM Reference Feature:	EC001829

Obligatory accessories



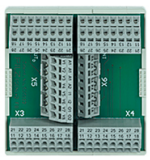
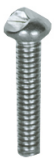
542080 PSEN cs5.1 1actuator



542088 PSEN cs5.1 low profile screw 1 actuator

	542087	PSEN cs5.1 low profile glue 1 actuator

Optional accessories

	533150	PSEN cable M8-8sf, 2m
	540138	SDD ES PROFINET
	535111	PSEN ix2 F4 code
	540337	PSEN Y junction M8-M12/M12 PIGTAIL
	535112	PSEN ix2 F8 code
	540310	PSEN screw M4x16 10pcs
	533157	PSEN cable M8-8sf M8-8sm, 2m

	533156	PSEN cable M8-8sf M8-8sm, 1m
	532111	PSEN mag/cs bracket straight
	533155	PSEN cable M8-8sf M8-sm, 0.5m
	532110	PSEN Winkel / bracket
	533154	PSEN cable M8-8sf, 30m
	540317	PSEN Y junction M8 SENSOR
	533153	PSEN cable M8-8sf, 20m
	540329	PSEN converter M8-8sf -- M12-8sm
	540318	PSEN Y junction M8 cable channel

	533152	PSEN cable M8-8sf, 10m
	533151	PSEN cable M8-8sf, 5m
	540309	PSEN screw M4x12 10pcs
	532109	PSEN cs bracket stop sliding door
	532108	PSEN cs bracket stop swinging door
	540130	SDD ES ETH
	540132	SDD ES PROFIBUS