

Control  
signalling  
devices and  
accessories

## General characteristics

Our control and signalling units are designed to ensure accuracy, reliability, high mechanical and electrical life. All pushbuttons are certified IP65 (IP66 with optional dustproof cover), while foot switches are IP54. The contact blocks are equipped with maximum 4 contacts with rating up to 10 A each. The NC contacts are made to guarantee positive opening for safety function. The terminal screws with self-raising plate are supplied in open position for an easier and quicker wiring operation.



## Technical data

Rated insulation voltage	Ui	IEC947-5-1	V	600	
Rated thermal current	Ithe	IEC947-5-1	A	10	
Rated operational current		IEC947-5-1/EN60947-5-1			
	Category AC15	Ie	230 V	A	6
			400 V	A	4
			500 V	A	3
	Category DC13	Ie	24 V	A	6
			250 V	A	0,4
Insulation resistance		500 V DC	MΩ	100	
Contact resistance	IEC255-7 cat. 3	Initial value	mΩ	25	
Dielectric insulation		50/60 Hz for 1' *	Vca	2500	
Short circuit protective devices	IEC269 (IEC947-5-1)				
	Gl or gG fuse		A	10	
Conditional short circuit current	IEC947-5-1		A	100	
Pollution degree	IEC947-5-1			3	
Command protection degree (EN 60529)	Non-illuminated/illuminated			IP65	
	Dual pushbuttons			IP40	
	Joystick			IP65	
Vibration resistance	IEC68-2-6		mm	0,35 ± 15% (10÷55 Hz ± 1 Hz)	
Shock resistance	IEC68-2-27	11 ms	g	30	
Mechanical life	Mushroom and coupling pushbuttons and controllers		cycles	500000	
	Selector switches		cycles	1000000	
	Illuminated pushbuttons		cycles	3000000	
Electrical life	at 250 V AC 6 A with resistance load cosφ=1		min cycles	500000	
	a 250 V AC 6 A with inductive load cosφ=0,4		min cycles	500000	
Distance between contacts	Slow action models		mm	2x2	
Terminals	Type			Screw with combined notch and removable plate	
	Screw			M3,5	
	Protection degree			IP20	
	Material			Steel class 8.8 / 6-8 micron	
	Max screw tightening Torque		cNm (kg cm)	120 (12,24)	
	Max connection rigid cable		mm <sup>2</sup>	2x1,5	
	flexible cable		mm <sup>2</sup>	2x1,5	
	With prod terminal		mm <sup>2</sup>	1x1,5	
	Terminal numbering			In accordance with EN50013	
	Terminal colouring			Red for NC contacts, green for NO contacts	
Air ambient temperature	operational		°C	-25 ÷ +70	
Relative humidity	operational			95% max	
Weather resistance		temperate in accordance with DIN 50014:		23/50	
		damp in accordance with DIN 50015:		23/83	
		hot humid in accordance with DIN 50015:		40-92	
		variable humid in accordance with DIN 50016:		FW24	

\* between terminals of the same polarity; between terminals of different polarity; between live metal parts and ground; between live and unpowered metal parts.

## Certifications and Approvals



IEC EN 60947

IPFB	•	+
PFB	•	+
C01B-C10B	•	+
C02-C20-C11	•	+

- UL approval file E72861
- CSA approval file 026716-0-000
- Approved
- + Conforms to requirements

# Foot switches

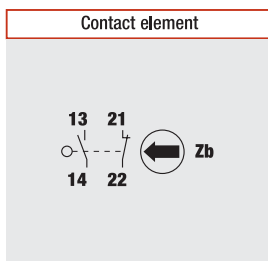
control signalling devices and accessories

## Thermoplastic foot switches

(IP54)



Without protection



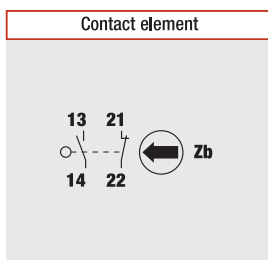
Code	Description	Pack	Weight (kg)
PSI00M20	Thermoplastic foot switches without protection	1	0,749

standard article



With protection

(IP54)



Code	Description	Pack	Weight (kg)
PCI00M20	Thermoplastic foot switches with protection w/o lock	1	1,034
PCI00PIM20	Thermoplastic foot switches with protection with lock	1	1,024

standard article



## Metal foot switches



(IP54)

Without protection

Contact element	Code	Description	Pack	Weight (kg)
	PSA00M20	Metal foot switches w/o protection and w/o lock	1	1,328

standard article



(IP54)

With protection

Contact element	Code	Description	Pack	Weight (kg)
	PCA00M20	Metal foot switches with protection and w/o lock	1	1,969
	PCA00PIM20	Metal foot switches with protection and with lock	1	1,981

standard article

## Contact block

Code	Description	Pack	Weight pack (kg)
KIT00	Additional contact block 00 kit for foot switches	5	0,343
ELEM00	Contact block 1NO+1NC snap action	5	0,495
ELEM01	Contact block 1NO+1NC slow action	5	0,485

standard article