

Technical Data

Pushbuttons, Selector Switches and Pilot Lights

Applicable standards	IEC 60947-5-1, VDE 0660, UL 508, CENELEC EN 50007, ISO 13850(EN 418), IEC 60947-5-5
Certifications	CE, cULus, BV, IRAM, PCT, RCC, ICONTEC
Degree of protection	IP66 and IP 40 (CSW-BD) according to IEC 60529
	NEMA 1, 2, 3, 3R, 4, 4X, 5, 12, 12K y 13 according to UL 508
Mechanical lifespan	
Pushbuttons	3 x 10 ⁶ operations
Pushbuttons CSW-BEG/EY/CT/P/Y	3 x 10 ⁶ operations
Emergency pushbuttons CSW-BESG/P/Y	1 x 10 ⁶ operations
Selector switches	1 x 10 ⁶ operations
Use in ambients	External (UV ray) or internal

Contact Block

Applicable standards	IEC 60947-5-1, VDE 0660, UL 508, CENELEC EN 50007, ISO 13850 (EN 418), IEC 60947-5-5			
Certifications	CE, cULus, BV, IRAM, PCT, RCC, ICONTEC			
Rated insulation voltage U _i	690 V			
Rated impulse voltage U _{imp}	4 kV			
Degree of protection	IP20 according to IEC 60529			
Conventional thermal current I _{th}	10 A			
Electrical performance according to IEC 60974-5-1				
Utilization category AC-15	BC....-CSW		BCM01-CSW	
	U _e (V ac)	I _e (A)	U _e (V ac)	I _e (A)
	24	10	24	6
	48	10	48	6
	60	10	60	6
	110	6	110	6
	220	3	220	3
	380	2	380	2
	500	1.5	500	1.5
Utilization category DC-13	BC....-CSW		BCM01-CSW	
	U _e (V dc)	I _e (A)	U _e (V dc)	I _e (A)
	24	2.5	24	2.5
	48	1.4	48	1.4
	60	1	60	1
	110	0.55	110	0.55
	220	0.27	220	0.27
	300	0.2	300	0.2
600	0.1	600	0.1	
Performance according to UL and CSA	AC / Heavy Duty (A600) e DC / Standard Duty (Q600)		-	
Contact resistance according to IEC 60255	≤ 25 mΩ			
Potection against short circuit (IEC 60269-1 / IEC 60269-3)	16 A fuse / 690 V gL/gG (1 kA) 16 A Miniature Circuit Breaker (MDW-B16)		6 A fuse / 500 V gL/gG (0.5 kA) 6 A Miniature Circuit Breaker (MDW-B6)	
Electric shock protection according to IEC 60536	Class II			
Terminal capacity	Minimum (1 x 0.5 mm²) and maximum (2 x 2.5 mm²)			
Tightening torque	0.8 N.m			
Ambient temperature allowed	-25 °C...+70 °C			
Mechanical shock resistance	No damage or disassembling up to 100 g (1/2 senoid 11 rms, according to MIL 202 B method 202 A)			
Vibration resistance according to IEC 60068-2-6	16 g for a frequency range of 40 to 500 Hz. Maximum displacement 0.75 mm (peak to peak)			
Maximum number of contacts	3-position mounting flange (standard)		5-position mounting flange	
BF, BGA pushbuttons	6		8	
BC, BD, BFI, BS, BSI, BCI pushbuttons and selector switches	4		8	
BCY, BCT pushbuttons and BEG, BEY emergency pushbuttons	4		6	
BESG, BESP, BESY emergency pushbuttons	3 (self-monitored blocks) or 4 (single/double blocks)		-	