



			Contact elements	LED elements ¹⁾	Illuminated pushbutton actuators, Pushbutton actuators, Mushroom actuators, spring-return	Double pushbutton actuators	Selector switch actuators, Illuminated selector switch actuators
General technical data							
Standards			IEC/EN 60947 VDE 0660				
Lifespan, mechanical	Operations	× 10 ⁶	> 5	–	> 5	> 0.2	> 0.1
Operating frequency	Operations/h		≤ 3600	–	≤ 3600	≤ 3600	≤ 2000
Actuating force		n	≤ 5	–	≤ 5	≤ 5	–
Operating torque (screw terminals)		Nm	≤ 0.8	–	–	–	≤ 0.3
Degree of protection, IEC/EN 60529			See selection pages				
Climatic proofing ²⁾			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclical, to IEC 60068-2-30				
Ambient temperature ¹⁾							
Open		°C	-25/70	-25/70	-25/70	-25/70	-25/70
Mounting position			As required				
Mechanical shock resistance according to IEC 60068-2-27							
Shock duration 11 ms, half-sinusoidal							
Terminal capacity							
Solid		mm ²	0.75 – 2.5	0.75 – 2.5	–	–	–
Stranded		mm ²	0.5 – 2.5	0.5 – 2.5	–	–	–
Contacts							
Rated impulse withstand voltage	U_{imp}	V AC	6000	6000	–	–	–
Rated insulation voltage	U_i	V	500	500	–	–	–
Overvoltage category/pollution degree			III / 3				
Control circuit reliability							
At 24 V DC/5 mA	H_F	Fault probability	< 10 ⁻⁷ , < 1 fault in 10 ⁷ operations	–	–	–	–
At 5 V DC/1 mA	H_F	Fault probability	< 5 × 10 ⁻⁶ , < 1 fault in 5 × 10 ⁶ operations	–	–	–	–
Max. short-circuit protective device							
Fuseless		Type	PKZM0-10/FAZ-B6/1	–	–	–	–
Fuse	gG/gL	A	10	–	–	–	–
Switching capacity							
Rated operational current							
AC-15							
115 V	I_e	A	6	–	–	–	–
230 V	I_e	A	6	–	–	–	–
400 V	I_e	A	4	–	–	–	–
500 V	I_e	A	2	–	–	–	–
DC-13							
24 V	I_e	A	3	–	–	–	–
42 V	I_e	A	1.7	–	–	–	–
60 V	I_e	A	1.2	–	–	–	–
110 V	I_e	A	0.8	–	–	–	–
220 V	I_e	A	0.3	–	–	–	–
Lifespan, electrical							
AC-15							
230 V/0.5 A	Operations	× 10 ⁶	1.6	–	–	–	–
230 V/1.0 A	Operations	× 10 ⁶	1	–	–	–	–
230 V/3.0 A	Operations	× 10 ⁶	0.7	–	–	–	–
DC-13							
12 V/2.8 A	Operations	× 10 ⁶	1.2	–	–	–	–

Notes

¹⁾ > 200 V AC/60 Hz: -25/+55 °C

²⁾ Indoor and protected outdoor installation