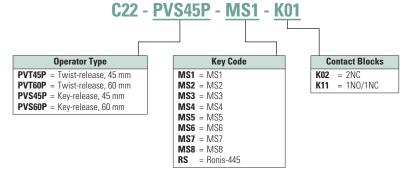
22.5 mm Compact Pushbuttons—C22

Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Emergency Stops



Product Selection

Non-Illuminated, Twist-Release

C22-PVT_	Non-Illuminated Emergency Stops, Twist-Release
	Contact Block



Release Method	Operator Size	Contact Block Configuration	Catalog Number
Twist-release	45 mm	2NC	C22-PVT45P-K02
		1N0/1NC	C22-PVT45P-K11
	60 mm	2NC	C22-PVT60P-K02
		1N0/1NC	C22-PVT60P-K11

Non-Illuminated, Keyed-Release

C22-PVS_

Non-Illuminated Emergency Stops, Keyed-Release



Release Method	Operator Size	Key Code	Contact Block Configuration	Catalog Number	
Keyed-release	45 mm	MS1	2NC	C22-PVS45P-MS1-K02	
			1N0/1NC	C22-PVS45P-MS1-K11	
		MS2	2NC	C22-PVS45P-MS2-K02	
			1N0/1NC	C22-PVS45P-MS2-K11	
		MS3	2NC	C22-PVS45P-MS3-K02	
			1N0/1NC	C22-PVS45P-MS3-K11	
		MS4	2NC	C22-PVS45P-MS4-K02	
			1N0/1NC	C22-PVS45P-MS4-K11	
		MS5	2NC	C22-PVS45P-MS5-K02	
			1N0/1NC	C22-PVS45P-MS5-K11	
		MS6	2NC	C22-PVS45P-MS6-K02	
			1N0/1NC	C22-PVS45P-MS6-K11	
		MS7	2NC	C22-PVS45P-MS7-K02	
			1N0/1NC	C22-PVS45P-MS7-K11	
		MS8	2NC	C22-PVS45P-MS8-K02	
			1N0/1NC	C22-PVS45P-MS8-K11	
		Ronis	2NC	C22-PVS45P-RS-K02	
			1N0/1NC	C22-PVS45P-RS-K11	

37.5

37

22.5 mm Compact Pushbuttons—C22

Technical Data and Specifications

22.5 mm Compact Pushbuttons—C22

				shbuttons C22	Indicator	Selector Switch	Key-Operated	Emergency Stop/ Emergency Switching	
Description	Unit		Momentary	Maintained	Lights C22	Actuators C22	Buttons C22	OFF Pushbuttons C22	
General									
Standards					IE	EC/EN 60947 VDE 0660			
Lifespan, mechanical	Operations	x 10 ⁶	5	1	_	1	0.1	0.05	
Operating frequency	Operations/h		≥3600	≥3600	_	≥2000	≥100	≥300	
Actuating force		Ν	≥5	≥5	_	_	_	≥50	
Operating torque		Nm	_	_	_	≥0.3	≥0.5	_	
Terminal screw tightening torque		Nm	0.8	0.8	0.8	0.8	0.8	0.8	
Threaded ring tightening torque		Nm	2	2	2	2	2	2	
Protection type			IP67, IP69K	IP67, IP69K	IP67, IP69K	IP65	IP66	IP67, IP69K	
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30						
Ambient temperature									
Open		°C	–25° to 70°	–25° to 70°	–25° to 70°	-25° to 70°	-25° to 70°	–25° to 70°	
Storage		°C	-30° to 80°	–30° to 80°	–30° to 80°	–30° to 80°	–30° to 80°	-30° to 80°	
Mounting position			As required	As required	As required	As required	As required	As required	
Mechanical shock resistance to IEC 60068-2-27 Shock duration 11 ms, half-sinusoidal		g	30	30	30	30	30	30	
Terminal capacities									
Solid		mm ²	2 x 0.5–1.5	2 x 0.5–1.5	2 x 0.5–1.5	2 x 0.5–1.5	2 x 0.5–1.5	2 x 0.5–1.5	
Flexible with ferrule		mm ²	2 x 0.5–1.5	2 x 0.5–1.5	2 x 0.5–1.5	2 x 0.5–1.5	2 x 0.5–1.5	2 x 0.5–1.5	
Contacts									
Rated impulse withstand voltage	U _{imp}	Vac	4000	4000	4000	4000	4000	4000	
Rated insulation voltage	Ui	V	250	250	250	250	250	250	
Overvoltage category/pollution degree			III/3	III/3	III/3	III/3	III/3	III/3	
Control circuit reliability									
at 5 Vdc/1 mA	H _F	Fault probability	Values follow	Values follow	_	Values follow	Values follow	Values follow	
at 17 Vdc/7 mA	H _F	Fault probability	N/O contact: statistically determined — 1 failure per 17 x 106 operations N/C contact: statistically determined 1 failure per 0.9 x 10 ⁶ operations			N/O contact: statistically determined 1 failure per 17 x 106 operations N/C contact: statistically determined 1 failure per 0.9 x 10 ⁶ operations			
at 24 Vdc/5 mA	H _F	Fault probability	Values follow	Values follow	_	Values follow	Values follow	Values follow	
Max. short-circuit protective device)								
Fuse	gG/gL	А	10	10	_	10	10	10	

22.5 mm Compact Pushbuttons—C22

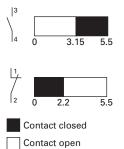


			Push-button Actuators Illuminated Pushbuttons C22		Indicator	Selector Switch	Key-Operated	Emergency Stop/ Emergency Switching
Description	Unit		Momentary	Maintained	Lights C22	Actuators C22	Buttons C22	OFF Pushbuttons C22
Switching Capacity								
Rated operational current								
AC-15								
24V	l _e	А	4	4	_	4	4	4
110V	l _e	А	2	2	_	2	2	2
230V	l _e	А	1.5	1.5	_	1.5	1.5	1.5
DC-13								
24V	l _e	А	3	3	_	3	3	3
60V	l _e	А	1	1	_	1	1	1
110V	l _e	А	0.6	0.6	_	0.6	0.6	0.6
220V	l _e	А	0.3	0.3	_	0.3	0.3	0.3
Lifespan, electrical								
AC-15								
230V/0.5A	Operations	x 10 ⁶	0.4	0.4	_	0.4	0.4	0.4
230V/1.0A		x 10 ⁶	0.6	0.6	_	0.6	0.6	0.6

22.5 mm Compact Pushbuttons—C22, continued

Contact Travel

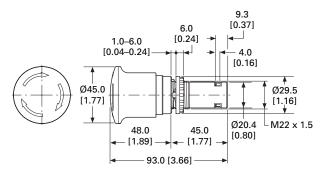
Contact Travel Diagram



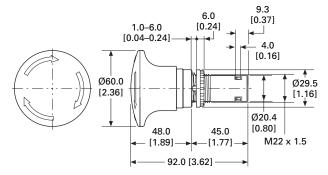
22.5 mm Compact Pushbuttons—C22

Approximate Dimensions in mm [in]

Emergency Stop/Emergency Switching OFF Pushbuttons C22-PVT45P_

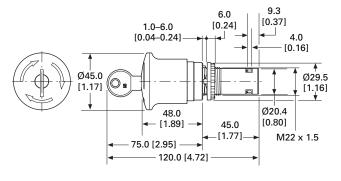


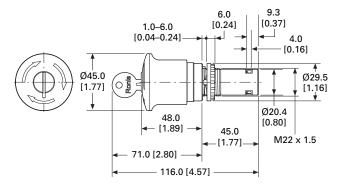




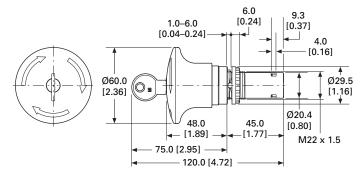
C22-PVT45P-RS_

C22-PVT45P-MS_





C22-PVT60P-MS_



C22-PVT60P-MS_

