22.5 mm Compact Pushbuttons—C22

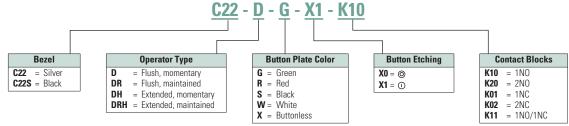
Catalog Number Selection

37.5

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

Non-Illuminated Pushbuttons



Product Selection

Non-Illuminated, Flush, Momentary

Non-Illuminated Pushbuttons, Flush, Momentary

)-D	Non-Illuminated Pushbuttons, Flush, Momentary Button Button Contact Block Silver Bezel Black Bezel						
-	Color	Etching	Configuration	Catalog Number	Catalog Number		
	Green		1N0	C22-D-G-K10	C22S-D-G-K10		
			2N0	C22-D-G-K20	C22S-D-G-K20		
			1N0/1NC	C22-D-G-K11	C22S-D-G-K11		
and the second s		X1	1N0	C22-D-G-X1-K10	C22S-D-G-X1-K10		
		X1	2N0	C22-D-G-X1-K20	C22S-D-G-X1-K20		
and a second		X1	1N0/1NC	C22-D-G-X1-K11	C22S-D-G-X1-K11		
	Red	_	1NC	C22-D-R-K01	C22S-D-R-K01		
			2NC	C22-D-R-K02	C22S-D-R-K02		
			1N0/1NC	C22-D-R-K11	C22S-D-R-K11		
		X0	1NC	C22-D-R-X0-K01	C22S-D-R-X0-K01		
		X0	2NC	C22-D-R-X0-K02	C22S-D-R-X0-K02		
		XO	1N0/1NC	C22-D-R-X0-K11	C22S-D-R-X0-K11		
	Black	_	1NC	C22-D-S-K01	C22S-D-S-K01		
			2NC	C22-D-S-K02	C22S-D-S-K02		
			1N0/1NC	C22-D-S-K11	C22S-D-S-K11		
		X0	1NC	C22-D-S-X0-K01	C22S-D-S-X0-K01		
		X0	2NC	C22-D-S-X0-K02	C22S-D-S-X0-K02		
		XO	1N0/1NC	C22-D-S-X0-K11	C22S-D-S-X0-K11		
	White	_	1N0	C22-D-W-K10	C22S-D-W-K10		
			2N0	C22-D-W-K20	C22S-D-W-K20		
			1N0/1NC	C22-D-W-K11	C22S-D-W-K11		
		X1	1N0	C22-D-W-X1-K10	C22S-D-W-X1-K10		
		X1	2N0	C22-D-W-X1-K20	C22S-D-W-X1-K20		
		X1	1N0/1NC	C22-D-W-X1-K11	C22S-D-W-X1-K11		
	Buttonless	_	1N0	C22-D-X-K10	C22S-D-X-K10		
			2N0	C22-D-X-K20	C22S-D-X-K20		
			1NC	C22-D-X-K01	C22S-D-X-K01		
			2NC	C22-D-X-K02	C22S-D-X-K02		
			1N0/1NC	C22-D-X-K11	C22S-D-X-K11		

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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

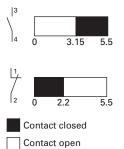


			Push-button Actuators Illuminated Pushbuttons C22		Indicator	Selector Switch	Key-Operated	Emergency Stop/ Emergency Switching
Description	Unit		Momentary	Maintained	Lights C22	Actuators C22	Buttons C22	OFF Pushbuttons C22
Switching Capacity								
Rated operational current								
AC-15								
24V	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

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Approximate Dimensions in mm [in]

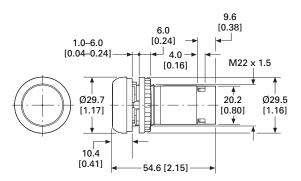
Illuminated Pushbuttons

37.5

Dimensions

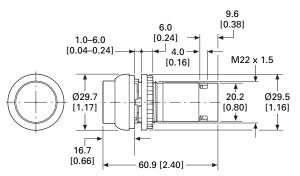
Flat

C22(S)-DRL_/C22(S)-DL_



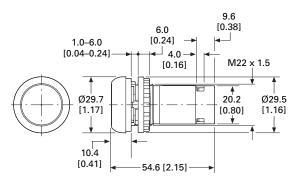
Extended

C22(S)-DRLH_/C22(S)-DLH_



Pushbutton Actuators

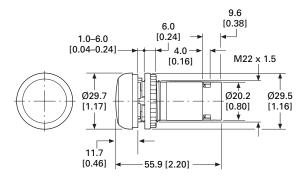
Flat C22(S)-DR_/C22(S)-D_



Indicating Lights

Flat

C22-L_



Extended

C22(S)-DRH_/C22(S)-DH_

