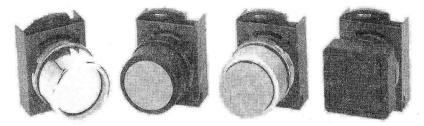
### 0

## C-2000™ Push Buttons

600 Volts Max. AC/300 Volts Max. DC 10 Amps. Continuous AC/2.5 Amps. Continuous DC

#### **Standard Push Buttons**



#### **Selection Process**

Select operator below	+	Select contact block(s) from pages 9-82 & 9-83	+	Select nameplate, if required, from pages 9-84 to 9-86	922	Complete unit
		age				
		4				

#### **Operators**

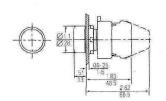
Replace asterisk (\*) in catalog number with color code digit from colors table below.

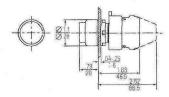
Style	Flush Catalog No.	Extended Catalog No.	Recessed Catalog No.	List Price, GO-10GC	
O Polished Chrome	P9CPN*G	P9CPN*S	P9CPN*E	\$8.50	
O Satin Chrome	P9MPN*G	P9MPN*S	P9MPN*E	8.50	
Round Engineered Plastic	P9XPN*G	P9XPN*S		8.50	
Square Engineered Plastic	P9SPN*G	P9SPN*S	2.22	8.50	

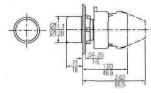
#### \*Colors

Color	Black	Red	Green	Yellow	Blue	White	Brown	Gray	No Cap ①
* Calor Code	N	R	V	G	L	В	М	Н	.0.

When ordering operator with no cap, deduct \$1.00 from List Price. Color caps are listed separately, pg. 9-89.



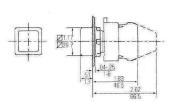


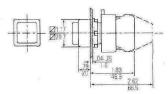


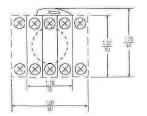
**Round Flush Push Button** 

**Round Extended Push Button** 

Round Recessed Push Button







Square Flush Push Button

Square Extended Push Button

Typical Back Side View

Name of the latest the	Inches
Dimensions shown in	Millimeters

#### **Selection and Drawing**

Data	pages 9-50, 9-51
Accessories	
Technical Data	pages 9-52 to 9-57
Specially Marked Caps .	



## Section 9

The GE push button offering includes a complete line of control units and stations in both full size push buttons (30 mm) and in miniature size devices (22 mm) which are designed to be used in numerous types of industrial applications.

The CR104P full-size, heavy-duty oiltight and watertight line is complete with a variety of accessories and enclosures.

Light Tower Status Indicating Lights provide information at a glance in industrial or commercial environments where you need to transmit and receive information across a distance. Modularity and versatility make them valuable in a broad range of applications.

GE's C-2000™ 22mm Global Push Buttons are designed to be applied in just about any application worldwide. C-2000 push buttons conform to all major world standards and are UL listed and CSA Certified. All devices except the double push button are rated for NEMA 1, 3, 3R, 3S, 4, 4X, 12, 13, and IP66 when mounted in a suitable enclosure. C-2000 push buttons are manufactured in an ISO 9000 facility, assuring you that these products comply with quality standards that are recognized worldwide. Pre-engraved nameplates are available in French, Spanish, Italian, German, and English. The C-2000 push button line is globally available under the same catalog numbers, packaging, and markings anywhere in the world.

An entire listing of CR2943 and CR2941 standard-duty push button control stations is available, suitable for NEMA Type 1, 4, 4X, and 7 and 9 applications.



Heavy-Duty 30mm Push Buttons, Selector Switches, Indicating Lights, Accessories (CR104P Series)
Light Tower Status Indicating Lights (SL Series)
C-2000™ 22mm Global Push Buttons (P9 Series)
Standard-Duty Push Button Control Stations (CR2943 and CR2941 Series)9-101 to 9-103
Palm Switches

#### References:

See Publication Index, Section 18.



# C-2000™ Push Buttons

600 Volts Max. AC/300 Volts Max. DC 10 Amps. Continuous AC/2.5 Amps. Continuous DC

#### **Technical Data**

0						-				
General Specifications	T	-			A STATE OF THE STA			and the second s		
Conformity to standards	UL508 (USA) NEMA ICS-2 (USA) VDE 0660 (Germany) BSI (Great Britain) CEI EN60947.5.1 (Italy) CENELEC EN 5000 7 (Europe)		1	IEC 9 UTE NFC	C22.2 No. 1 947.5.1 (Inte (France) 63140 (Fran Japan)	rnational)	nada)			
Approvals	UL listed — File Number E66677 CSA Certified — File Number 1666 Manufacturing facility is registered to			(€						
Finger protection at terminals	IP2X according to IEC 529 Terminal identification per CENELE	C EN 50013	).							
Enclosure ratings	Suitable for use in <b>NEMA Types 1</b> , <b>3</b> , <b>3R</b> , <b>3S</b> , <b>4</b> , <b>4X</b> , <b>12</b> , <b>and 13</b> enclosures. (Multi-function push buttons are suitable for NEMA Type 1 enclosures only unless used with protective rubber cap accessory.) <b>IP66</b> per IEC 529, when mounted in enclosures with equal or superior seal.									
Ambient temperature	Operating - 13° to +158°F - 25° to +70°C	-40° to	158°F							
Climate suitability/humidity	Climate Type Temperature Wet Hot Wet Variable Wet	Tempe 74°F ( 74°F ( 104°F 74° to 104°F	23°C) 23°C) (40°C)		Felative I 50 83 92 83% to	% % %	w			
Resistance to vibration	Per IEC 68-2-6. 16g with a frequency	y from 40-500 Hz ar	d maximum pe	ak-to-peak	amplitude of	0.75mm.				
Resistance to shock	According to MIL 202B, method 20 other operators.	D2A. Test was perfor	med for 1/2 sin	usoid for 11	ms, 38g ma	for all oper	rators with t	ransformers and 100g for all		
Operating force	Standard push button operator: 2.5 Each contact block: 1.3 lbs. (6 N) Selector switch operator: 2.4 in./lb. (6 N)							*		
Wire Terminals										
Wire capacity and terminal torque requirements (for all power supplies and contact blocks)	Parallel Conductor	#12 with #14 #14 with #16 #16 with #18 #16 with #20 #16 with #22 #18 with #22 #18 with #22 #20 with #22		Solid Wire	<u>e)</u>			Terminal Torque  12 in./lb. 12 in./lb. 12 in./lb. 12 in./lb. 12 in./lb. 12 in./lb. 10-12 in./lb. 10-12 in./lb. 7-12 in./lb.		
Quick connect terminals	Suitable for one female tab connect 0.8 mm).			35 x 0.8 mm	) or two fem	ale tab conr	nectors mea			
Contact Data						-				
Electrical reliability data	Electrical life and reliability in low lev	rel current: 80 million	operations at 1	12V, 5mA, re	esistive load.	(32 contact	ts tested su	ocessfully for 2.5 million		
Dust resistance	In extremely dusty environments, ele life at low level current is 10 million of				ions at 12 V,	5mA, resist	tive load. In	a clean environment, electrica		
Thermal current	Ith = 10A per IEC 947-5-1									
Insulation voltage	Ui = 660 Volts ac/dc (opposite pola	rity) except 2NO and	2NC blocks 3	00 Vac/dc						
Protection from electrical shock	Class I per IEC 536 for metal operat Class II (double insulation) per IEC	ors 536 for plastic opera	ors					0		
Insulation category	Group "C" per VDE 0110									
Dielectric strength	2500 Volts									
Short circuit protection	10A type gG fuse, per IEC 269.1 & 2	269.3								
Pilot duty ratings	A600 (maximum make volt-ampere           Volts (V)         12           Continuous (A)         10           Making (A)         100           Breaking (A)         10	s = 7200; maximum 24 48 10 10 100 100 10 10	60 10	120 10 60 6	240 10 30 3	480 10 15 1.5	600 10 12 1.2			
	Q300 (maximum make or break vol				-					
	Volts (V) 12 Continuous (A) 2.5 Making (A) 2.5 Breaking (A) 2.5	24 48 2.5 2.5 2.5 1.4	60 2.5 1.1	125 2.5 0.55	250 2.5 0.27	300 2.5 0.23				