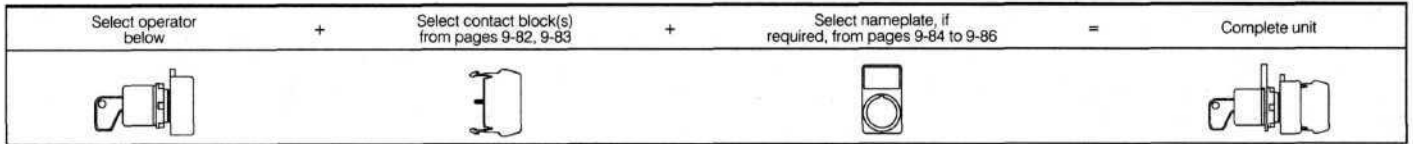


C-2000™ Push Buttons

600 Volts Max. AC/300 Volts Max. DC
10 Amps. Continuous AC/2.5 Amps. Continuous DC
2-Position Key Selector Switches



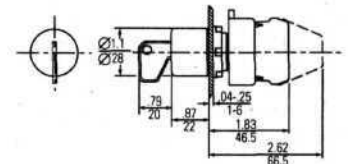
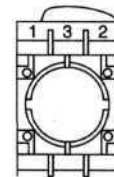
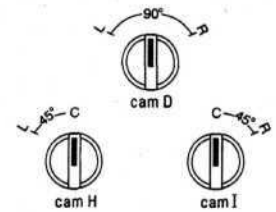
Selection Process



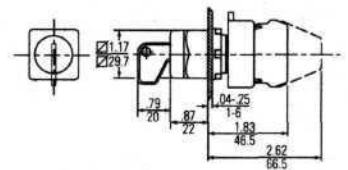
Operators

Replace asterisk (*) in catalog number with style code from styles table below.
Replace dagger (†) in catalog number with key code from keys table below.

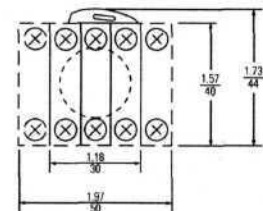
Cam	Key Removal	Maintained		Spring Return		
		Catalog No.	List Price, GO-10GC	Catalog No.		List Price, GO-10GC
				From Left	From Right	
D	L	P9*SCD0A†	\$43.50	—	P9*SCD5A†	\$56.50
	R	P9*SCD0E†	43.50	—	—	—
	L-R	P9*SCD0K†	43.50	—	—	—
I	C	P9*SCIO†	43.50	—	P9*SCI5C†	56.50
	R	P9*SCIOE†	43.50	—	—	—
	C-R	P9*SCION†	43.50	—	—	—
H	L	P9*SCH0A†	43.50	—	—	—
	C	P9*SCH0C†	43.50	P9*SCH1C†	—	56.50
	L-C	P9*SCH0H†	43.50	—	—	—



Round Key Selector Switch



Square Key Selector Switch



Typical Back Side View

* Styles

Style	<input checked="" type="checkbox"/> Polished Chrome	<input type="checkbox"/> Satin Chrome	<input checked="" type="checkbox"/> Round Engineered Plastic	<input type="checkbox"/> Square Engineered Plastic
*Style Code	C	M	X	S

Cams

Note position of contact block for cam selection.

* Cam Code				Screw Terminal Contact Block		Quick-Connect Terminal Contact Block	
				Position 1	Position 2	Position 1	Position 2
D	0	—	X	—	P9B10VN	—	P9B10FN
	X	—	0	P9B01VN	—	P9B01FN	—
	0 X	—	X 0	P9B11VN	—	—	—
I	—	0	X	—	P9B10VN	—	P9B10FN
	—	X	0	P9B01VN	—	P9B01FN	—
	—	0 X	X 0	P9B11VN	—	—	—
H	X	0	—	—	P9B10VN	—	P9B10FN
	0	X	—	P9B01VN	—	P9B01FN	—
	X 0	0 X	— —	P9B11VN	—	—	—

Dimensions shown in Inches
Millimeters

†Keys (Set of 2)

Key Number	Std.	Special Ⓞ										Colored Ⓞ				
	3095	9901	9902	9903	9904	9905	9910	9916	9919	3353	R455 (Ronis)	73033 (Yellow)	73034 (Black)	73037 (Red)	73038 (Blue)	73040 (Orange)
†Key Code	95	01	02	03	04	05	10	16	19	53	55	33	34	37	38	40

① To order with other than standard key code (95), add \$4.00 to List Price, GO-10GC. Minimum quantity order on Key Codes 95, 55, and 33 is one; for all others, minimum quantity order is ten.

Selection and Drawing Data: pages 9-50, 9-51. Accessories: pages 9-92, 9-93. Technical Data: pages 9-52 to 9-57.

C-2000™ Push Buttons

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

Nomenclature Keys

For use in interpreting catalog numbers only. Do not use for developing catalog numbers.

Key-Operated Selector Switches

Style			Cam		Spring Return	Key Removal	Key Selection	
P	9		S	C				
C = Polished chrome M = Satin chrome X = Round plastic S = Square plastic			D, I, or H = 2-position E, L, U, or Z = 3-position X = 4-position		O = Fixed 1 = From left 3 = From left & right 5 = From right	See key removal table on page 9-60	See key selection table on page 9-60	

Special Operators

Style			Operator Type	Operator-Specific Digits For Various Options		
P	9					
C = Polished chrome M = Satin chrome X = Round plastic S = Square plastic			M = Joystick C = Toggle switch W = Wobble stick Z = Potentiometer operator R = Reset push button B = Buzzer			

Multi-Function Push Buttons

Style			Illumination	Top Color	Bottom Color	Guard	ISO Symbols	
P	9	D	P					
			N = Nonilluminated L = Illuminated	N = Black V = Green	R = Red	G = Flush S = Top flush, bottom extended	00 = No Symbols 01 = 1 (top) / 0 (bottom)	

Key-Operated Push Buttons

Style			Lock position	Key removal	Key selection		
P	9		P	C	N		
C = Polished chrome M = Satin chrome X = Round plastic			1 = Normal 2 = Depressed 3 = Normal & depressed	E = Right K = Left & right	See key selection table on page 9-60		

Selector Push Buttons

Style			Function			
P	9		P	S		G
C = Polished chrome M = Satin chrome			2-position 21 = Function 201 22 = Function 231 23 = Function 235 3-position 34 = Function 301 35 = Function 323			



GE Push Buttons

C-2000™ Push Buttons

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

Nomenclature Keys

For use in interpreting catalog numbers only. Do not use for developing catalog numbers.

Power Supplies

			Type	Style	Terminal Type	Voltage	Lamp
P	9	P					
			D = Full voltage T = Transformer R = Resistor	N = Normal D = Diode L = Long life T = Test M = Multi-function (continuous/blinking) H = For use with Logic Reed Flange	V = Standard screw F = Quick-connect B = Base-mount screw	See voltage table below	L = LED N = Neon

Contact Blocks

			Normally Open Contacts	Normally Closed Contacts	Terminal Type	Contact Type
P	9	B				
			0 = 0NO 1 = 1NO	0 = 0NC 1 = 1NC	V = Standard screw F = Quick-connect B = Base-mount screw T = Time-delay, screw	N = Normal A = Early make R = Late opening 3 = Time-delay, 0.1-30" 8 = Time-delay, 10-180" H = Logic Reed (F terminal only)

Accessories & Enclosures

			Style	Items & Options
P	9	A		
			R = Round operator accessory S = Square operator accessory C = Common accessory (round & square) M = Multi-function operator accessory E = Base-mount enclosure or nameplate	See individual catalog selections

Key Selection

Key Number	Special											Colored				
	3095	9901	9902	9903	9904	9905	9910	9916	9919	3353	R455 (Ronis)	73033 (Yellow)	73034 (Black)	73037 (Red)	73038 (Blue)	73040 (Orange)
Key Code	95	01	02	03	04	05	10	16	19	53	55	33	34	37	38	40

Key Removal

2- & 3-Position Key Operators	Key Removal Position																		
	L	—	C	—	R	—	L-C	—	L-R	—	—	C-R	—	—	—	L-C-R	—	—	—
4-Position Key Operators	2L	L	—	R	2R	2L-L	—	2L-R	2L-2R	L-R	L-2R	—	2-2R	2L-L-R	2L-L-2R	—	2L-R-2R	L-R-2R	2L-L-R-2R
Key Removal Code	A	B	C	D	E	F	H	J	K	L	M	N	P	R	S	T	U	V	Z

Voltage

Voltage	No lamp	6	12	24	48	60	110	120	110-120	130	220	220-240	220-250	280	380	415-440	480-500	550-600
Voltage code	0	A	B	D	G	H	I	J	J	L	M	N	N	R	U	W	Y	Z

9 PUSH BUTTONS

C-2000™ Push Buttons

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

Technical Data (continued)

Materials	
Component	Material
Cap/levers/knobs (nonilluminated)	Polyamide/acetal
Cap/levers/knobs (illuminated)	Polycarbonate
Metal housing	Copper-nickel-chrome plated zinc/aluminum alloy
Plastic housing	Polyamide/acetal
Plunger	Polyester
Springs	Stainless steel
Body-to-panel gasket	Polyester elastomer
Cap-to-body gasket	Vinyl nitrile rubber
Lubricant	Lithium grease
Cams for nonilluminated selector switches	Polyamide/acetal
Cams for illuminated selector switches	Polyester
Cam followers	Polyamide/acetal
Contact block and power supply housings	Polyamide/acetal
Contacts	Pure silver
Conductors	Brass alloy
Flanges	Polyamide/acetal
Flange latches	Polyamide/acetal
Printed circuit board adapter	Polyamide/acetal
Joystick protective housing	Vinyl nitrile rubber
Joystick plunger, lever & cam	Acetal resin
Joystick actuator	Polyamide/acetal
Push-to-latch, turn-to-release actuator & plunger	Polyamide/acetal
Wobble stick	Polycarbonate
Toggle switch lever	Polyamide/acetal
Protective caps (clear)	Silicon rubber
Protective caps (colored)	Vinyl nitrile rubber
Push button protective guards	Polycarbonate
Mushroom-head guards	Polyamide/acetal
Padlockable cover	Polycarbonate and zinc-plated zinc/aluminum alloy
Metal locking rings	Zinc-plated zinc/aluminum alloy
Keys	Plated brass
Nameplate holders	Polyamide/acetal
Nameplate inserts	Laminated polyester
Hole plug	Polyamide/acetal

Power Supply Selection

Type	Principle of Operation	Benefit
Full voltage	Supplies input voltage directly to bulb.	Smallest and least expensive. Can be used with LEDs.
Transformer	Utilizes a transformer to step the input voltage down to 6 volts.	Transformer has the effect of damping the inrush current and voltage spikes from the switching device seen when the light is turned on, actually protecting the bulb from these factors that shorten life. Generates less heat than the resistor power supplies. Reduces unsafe supply voltages (up to 600 V) down to a safe level for lamp servicing. Can be used with LEDs. Able to withstand a short circuit of the lamp or lamp socket without damage.
Normal resistor	Utilizes a resistor in series with the incandescent lamp to drop the lamp voltage to 50% of the input voltage.	Least expensive way to reduce unsafe supply voltages (up to 240 V) down to a safe level for lamp servicing.
Diode resistor	Utilizes a resistor and a diode in series with the lamp to rectify and drop a 240 Vac input voltage to operate a 130 V incandescent lamp.	Provides the same function as the normal resistor, but takes up only one position in the flange rather than two. Generates less heat than the normal resistor power supplies.
Long-life resistor	Utilizes a resistor in series with the 130 V incandescent lamp to provide a lamp voltage 80% that of the input voltage.	Extends life of a 130 V incandescent bulb by 1300% (from 2000 to 28,000 hours).
Flashing (full-voltage or transformer)	Utilizes a flashing circuit which can be enabled or disabled by externally switching (shorting) two connections.	Allows the lamp to be switched between OFF, ON, and FLASHING modes.
Panel test (full-voltage or standard resistor)	Utilizes a diode to isolate the lamp test circuit from the supply circuit.	Allows use of indicating lights and "panel test" feature rather than individual push-to-test illuminated push buttons. Eliminates the need for the NO/NC contacts used on conventional push-to-test pilot lights.

C-2000™ Push Buttons

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

Technical Data (continued)

Lamp Selection

Incandescent, neon, and light-emitting diode (LED) lamps are available for use in indicating lights, illuminated push buttons and illuminated selector switches. Although incandescent lamps have traditionally been the most frequently used, it is wise to review the characteristics of the different types of lamps and select the one that is most appropriate for the application. Although the incandescent lamp offers the lowest initial cost, the LED is usually the most economical over the long term, due to its long life, resistance to shock and vibration, and lower power consumption. Benefits of LEDs include:

- **Resistance to shock and vibration**—Since LEDs are solid-state, they are completely impervious to the problems associated with shock and vibration that can significantly reduce the life of incandescent lamps by mechanically breaking the filament. The high inrush currents at startup associated with incandescents also act to significantly reduce the life of lamps used in frequent on-off applications.
- **Longer life**—The LEDs used with C-2000 push buttons have a service life of 100,000 hours (11 years) compared to 20,000 hours (28 months) for the neon lamps, and 2,000 hours (3 months) for the standard incandescent lamps.
- **Reduced power consumption**—The LEDs used for the C-2000 push buttons consume between 10% and 52% less power than the equivalent BA9S incandescent lamp. The table below shows the power consumption of each type:

Volts AC/DC	Incandescent	Watts	LED	Watts	Neon	Watts
6	BA9S606	0.6	080BA9S6L*	0.59	—	—
6	BA9S615	1.5	—	—	—	—
12	BA9S12	2.0	080BA9S12L*	0.78	—	—
24	BA9S24	2.0	080BA9S24L*	0.84	—	—
48	BA9S48	2.0	080BA9S48L*	1.12	—	—
60	BA9S6012	1.2	—	—	—	—
110	—	—	—	—	BA9SN110	0.077
120	—	—	080BA9S120L*	1.4	—	—
130	BA9S130	2.0	—	—	—	—
220	—	—	—	—	BA9SN220	0.330

* **Lower operating temperature**—Because of the lower power consumption and greater efficiency of LEDs, they operate much cooler than incandescent lamps. Thus, in applications where heat in the enclosure could be a problem, LED lamps are a better choice.

Incandescent bulbs are recommended for light-duty applications and panels not subject to shock and vibration. Neon lamps offer a middle ground, at a cost and performance between the LED and the incandescent, but can have problems associated with flicker induced by noise and frequency. LED lamps offer the best overall performance for the long term.

Lamp Comparison

Bulb Type	Approx. Lifespan (hours)	Shock & Vibration Immunity	Operating Temperature	Power Consumption	Brightness
LED	100,000	High	Medium	Medium	Medium
Incandescent	2,000	Low	High	High	High
Neon	20,000	Medium	Low	Low	Low

Guideform Specifications

IEC 22 mm push buttons shall be type GE C-2000™ series. They shall be listed by Underwriters Laboratories (UL), certified by Canadian Standards Association (CSA) and conform to International Electrotechnical Commission (IEC) and Japanese

Industrial Standard (JIS) standards. All push buttons, selector switches and pilot lights shall conform to the applicable requirements of NEMA standard ICS-2 for AC and DC control circuits. Enclosures shall be listed by UL and certified by CSA.

Standard features shall include:

- Fully automated manufacturing with 100% on-line inspection.
- Manufactured in ISO 9001 certified facility.
- 4 different operator styles: round metal body with polished chrome finish, round metal body with satin chrome finish, black round engineered plastic body, and black square engineered plastic body.
- Contact blocks and power supplies completely interchangeable among all 4 styles of operators.
- Locking rings that tighten from the rear with a special wrench or flat-blade screwdriver.
- Contact block flanges that mount on operators with 4-point positive locking.
- Universal mounting design that permits push buttons to be mounted with or without locating notch punched in panel. Orientation tab on operator notch that is removable with screwdriver.
- Modular assembly incorporating snap-on contact blocks and power supplies, removable with flat-blade screw driver.
- Devices mount on 30 mm x 50 mm (1.18 x 1.97 in.) center.
- Devices mount on panel thickness of 1 to 6 mm (.039 to .236 in.).
- Captive front-of-panel gasket for superior sealing.
- Lamps removable from the front of the panel.
- Metal operators constructed of die cast body.
- Polished and satin chrome operators feature triple chrome plating.
- Permanent marking of contact blocks by laser etching.
- Double bridge wiping action contact block design for applications from 12-600 volts ac and 12-300 volts dc.
- PLC interfacing with standard contact blocks.
- Contact blocks rated for 10 million electrical operations at 12 volts, 5 milliamperes.
- Contact block cases shall be ultrasonically welded to provide superior protection in dust conditions. Contact blocks rated for 250,000 operations at 12 volts, 5 milliamperes in severely dusty conditions.
- Power supplies shall be available in full-voltage, resistor, and transformer forms.
- Resistor power supplies shall be available in standard, diode, and long-life forms.
- Screw, quick-connect, and base-mount contact blocks.
- Printed circuit board connector for use with quick-connect contact blocks.
- Global nomenclature.
- Multi-lingual nameplates.
- Global availability.



GE Push Buttons

C-2000™ Push Buttons

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

Technical Data

General Specifications																																																																					
Conformity to standards	UL508 (USA) NEMA ICS-2 (USA) VDE 0660 (Germany) BSI (Great Britain) CEI EN60947.5.1 (Italy) CENELEC EN 50007 (Europe) CSA C22.2 No. 14-M91 (Canada) IEC 947.5.1 (International) UTE (France) NFC 63140 (France) JIS (Japan)																																																																				
Approvals	UL listed —File Number E66677 CSA Certified —File Number 16661-63 Manufacturing facility is registered to ISO 9000																																																																				
Finger protection at terminals	IP2X according to IEC 529 Terminal identification per CENELEC EN 50013																																																																				
Enclosure ratings	Suitable for use in NEMA Types 1, 3, 3R, 3S, 4, 4X, 12, and 13 enclosures. (Multi-function push buttons are suitable for NEMA Type 1 enclosures only unless used with protective rubber cap accessory.) IP66 per IEC 529, when mounted in enclosures with equal or superior seal.																																																																				
Ambient temperature	<table border="0"> <tr> <td>Operating</td> <td>Storage</td> </tr> <tr> <td>-13° to +158°F</td> <td>-40° to 158°F</td> </tr> <tr> <td>-25° to +70°C</td> <td>-40° to +70°C</td> </tr> </table>	Operating	Storage	-13° to +158°F	-40° to 158°F	-25° to +70°C	-40° to +70°C																																																														
Operating	Storage																																																																				
-13° to +158°F	-40° to 158°F																																																																				
-25° to +70°C	-40° to +70°C																																																																				
Climate suitability/humidity	<table border="0"> <tr> <td>Climate Type</td> <td>Temperature</td> <td>Relative Humidity</td> </tr> <tr> <td>Temperature</td> <td>74°F (23°C)</td> <td>50%</td> </tr> <tr> <td>Wet</td> <td>74°F (23°C)</td> <td>83%</td> </tr> <tr> <td>Hot Wet</td> <td>104°F (40°C)</td> <td>92%</td> </tr> <tr> <td>Variable Wet</td> <td>74° to 104°F (23° to 40°C)</td> <td>83% to 92%</td> </tr> </table>	Climate Type	Temperature	Relative Humidity	Temperature	74°F (23°C)	50%	Wet	74°F (23°C)	83%	Hot Wet	104°F (40°C)	92%	Variable Wet	74° to 104°F (23° to 40°C)	83% to 92%																																																					
Climate Type	Temperature	Relative Humidity																																																																			
Temperature	74°F (23°C)	50%																																																																			
Wet	74°F (23°C)	83%																																																																			
Hot Wet	104°F (40°C)	92%																																																																			
Variable Wet	74° to 104°F (23° to 40°C)	83% to 92%																																																																			
Resistance to vibration	Per IEC 68-2-6 , 16g with a frequency from 40-500 Hz and maximum peak-to-peak amplitude of 0.75mm.																																																																				
Resistance to shock	According to MIL 202B, method 202A . Test was performed for 1/2 sinusoid for 11ms, 38g max for all operators with transformers and 100g for all other operators.																																																																				
Operating force	Standard push button operator: 2.5 lbs. (11N) Each contact block: 1.3 lbs. (6 N) Selector switch operator: 2.4 in./lb. (0.27 N-m)																																																																				
Wire Terminals																																																																					
Wire capacity and terminal torque requirements (for all power supplies and contact blocks)	Suitable for #22-#12 AWG stranded or solid copper wires, single or parallel conductors of same size. Terminal torque: 7-12 in./lb. Parallel conductor size combinations (stranded or solid wire): <table border="0" style="margin-left: 40px;"> <tr> <td>Parallel Conductor Size Combinations (Stranded or Solid Wire)</td> <td>Terminal Torque</td> </tr> <tr> <td>#12 with #14</td> <td>12 in./lb.</td> </tr> <tr> <td>#14 with #16</td> <td>12 in./lb.</td> </tr> <tr> <td>#16 with #18</td> <td>12 in./lb.</td> </tr> <tr> <td>#16 with #20</td> <td>12 in./lb.</td> </tr> <tr> <td>#16 with #22</td> <td>12 in./lb.</td> </tr> <tr> <td>#18 with #22</td> <td>10-12 in./lb.</td> </tr> <tr> <td>#18 with #20</td> <td>10-12 in./lb.</td> </tr> <tr> <td>#20 with #22</td> <td>7-12 in./lb.</td> </tr> </table>	Parallel Conductor Size Combinations (Stranded or Solid Wire)	Terminal Torque	#12 with #14	12 in./lb.	#14 with #16	12 in./lb.	#16 with #18	12 in./lb.	#16 with #20	12 in./lb.	#16 with #22	12 in./lb.	#18 with #22	10-12 in./lb.	#18 with #20	10-12 in./lb.	#20 with #22	7-12 in./lb.																																																		
Parallel Conductor Size Combinations (Stranded or Solid Wire)	Terminal Torque																																																																				
#12 with #14	12 in./lb.																																																																				
#14 with #16	12 in./lb.																																																																				
#16 with #18	12 in./lb.																																																																				
#16 with #20	12 in./lb.																																																																				
#16 with #22	12 in./lb.																																																																				
#18 with #22	10-12 in./lb.																																																																				
#18 with #20	10-12 in./lb.																																																																				
#20 with #22	7-12 in./lb.																																																																				
Quick connect terminals	Suitable for one female tab connector measuring 0.25 x 0.03 inches (6.35 x 0.8 mm) or two female tab connectors measuring 0.11 x 0.03 inches (2.8 x 0.8 mm).																																																																				
Contact Data																																																																					
Electrical reliability data	Electrical life and reliability in low level current: 80 million operations at 12V, 5mA, resistive load. (32 contacts tested successfully for 2.5 million operations.)																																																																				
Dust resistance	In extremely dusty environments, electrical life at low level current is 250,000 operations at 12 V, 5mA, resistive load. In a clean environment, electrical life at low level current is 10 million operations at 12 V, 5mA, resistive load.																																																																				
Thermal current	I _{th} = 10A per IEC 947-5-1																																																																				
Insulation voltage	U _i = 660 Volts ac/dc (opposite polarity) except 2NO and 2NC blocks 300 Vac/dc																																																																				
Protection from electrical shock	Class I per IEC 536 for metal operators Class II (double insulation) per IEC 536 for plastic operators																																																																				
Insulation category	Group "C" per VDE 0110																																																																				
Dielectric strength	2500 Volts																																																																				
Short circuit protection	10A type gG fuse, per IEC 269.1 & 269.3																																																																				
Pilot duty ratings	A600 (maximum make volt-amperes = 7200; maximum break volt-amperes = 720; PF = .25) <table border="0" style="margin-left: 20px;"> <tr> <td>Volts (V)</td> <td>12</td> <td>24</td> <td>48</td> <td>60</td> <td>120</td> <td>240</td> <td>480</td> <td>600</td> </tr> <tr> <td>Continuous (A)</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>Making (A)</td> <td>100</td> <td>100</td> <td>100</td> <td>100</td> <td>60</td> <td>30</td> <td>15</td> <td>12</td> </tr> <tr> <td>Breaking (A)</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>6</td> <td>3</td> <td>1.5</td> <td>1.2</td> </tr> </table> Q300 (maximum make or break volt-amperes = 69) <table border="0" style="margin-left: 20px;"> <tr> <td>Volts (V)</td> <td>12</td> <td>24</td> <td>48</td> <td>60</td> <td>125</td> <td>250</td> <td>300</td> </tr> <tr> <td>Continuous (A)</td> <td>2.5</td> <td>2.5</td> <td>2.5</td> <td>2.5</td> <td>2.5</td> <td>2.5</td> <td>2.5</td> </tr> <tr> <td>Making (A)</td> <td>2.5</td> <td>2.5</td> <td>1.4</td> <td>1.1</td> <td>0.55</td> <td>0.27</td> <td>0.23</td> </tr> <tr> <td>Breaking (A)</td> <td>2.5</td> <td>2.5</td> <td>1.4</td> <td>1.1</td> <td>0.55</td> <td>0.27</td> <td>0.23</td> </tr> </table>	Volts (V)	12	24	48	60	120	240	480	600	Continuous (A)	10	10	10	10	10	10	10	10	Making (A)	100	100	100	100	60	30	15	12	Breaking (A)	10	10	10	10	6	3	1.5	1.2	Volts (V)	12	24	48	60	125	250	300	Continuous (A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	Making (A)	2.5	2.5	1.4	1.1	0.55	0.27	0.23	Breaking (A)	2.5	2.5	1.4	1.1	0.55	0.27	0.23
Volts (V)	12	24	48	60	120	240	480	600																																																													
Continuous (A)	10	10	10	10	10	10	10	10																																																													
Making (A)	100	100	100	100	60	30	15	12																																																													
Breaking (A)	10	10	10	10	6	3	1.5	1.2																																																													
Volts (V)	12	24	48	60	125	250	300																																																														
Continuous (A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5																																																														
Making (A)	2.5	2.5	1.4	1.1	0.55	0.27	0.23																																																														
Breaking (A)	2.5	2.5	1.4	1.1	0.55	0.27	0.23																																																														

9 PUSH BUTTONS



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)	9-2 to 9-36
Light Tower Status Indicating Lights (SL Series)	9-37 to 9-47
C-2000™ 22mm Global Push Buttons (P9 Series)	9-48 to 9-100
Standard-Duty Push Button Control Stations (CR2943 and CR2941 Series)	9-101 to 9-103
Palm Switches	9-104

References:
See Publication Index, Section 18.