C-2000™ Push Buttons
The beauty of simplicity

imagination at work

C-2000 push buttons reveal the beauty of simplicity in every detail

Back-tightened locking rings discourage tampering, accommodate a range of panel thicknesses, and tighten down with either a custom wrench or any flat-bladed screwdriver.

A removable orientation tab allows universal mounting — in either notched or round 22mm holes.

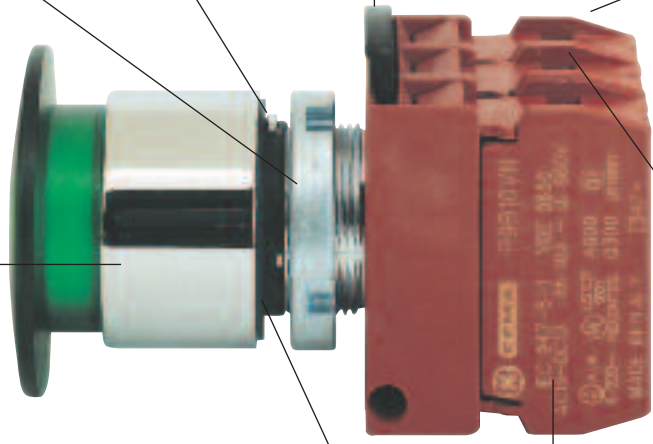With 4-point contact, flanges snap securely onto the operator.

Ultrasonically welded contact block housings hold up longer and resist contamination better, even in the dustiest environments. Double bridge sliding contacts provide excellent performance, even in low-voltage applications. Terminals (both screw and quick-connect) can be wired off the operator, then snapped on. Contacts are rated A600, Q300.

Four operator styles — round polished and satin chrome, round and square engineered plastic — all reflect a sleek, distinctive European style and give you precisely the look and function you want in your push buttons. Ergonomic design adds ease of assembly and operation.
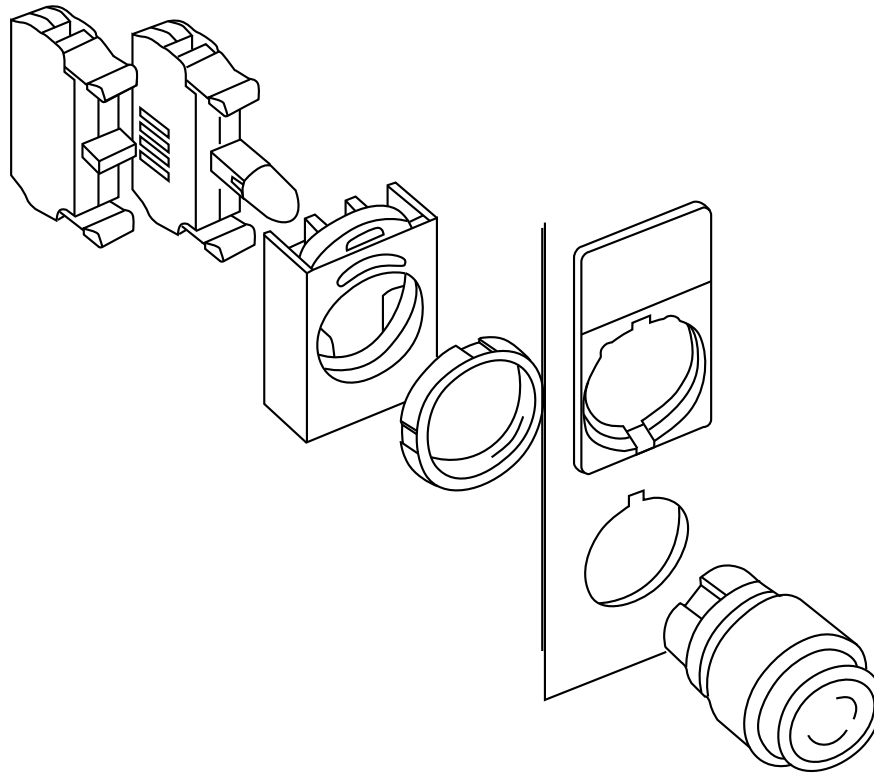
Like contact blocks, power supplies just snap onto the mounting flange. Installation is quicker, labor costs are reduced. You can choose from full-voltage, resistor and transformer power supplies and from incandescent, LED or neon lamps.

The permanently bonded front gasket provides superior sealing against contaminants and makes installation nearly foolproof.

Markings are easy to read and, because they're laser-etched, they'll remain legible — permanently.
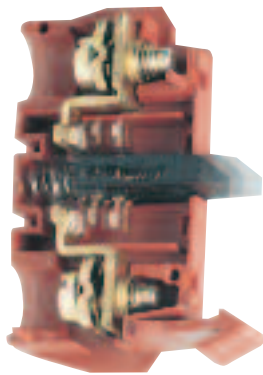
Huge Selection

With four operator styles, a vast array of operator types, a complete selection of contact blocks and power supplies, your choice of nameplates and enclosures, lamps for every need, and a multitude of useful accessories, you'll find in C-2000 push buttons exactly what you're looking for.
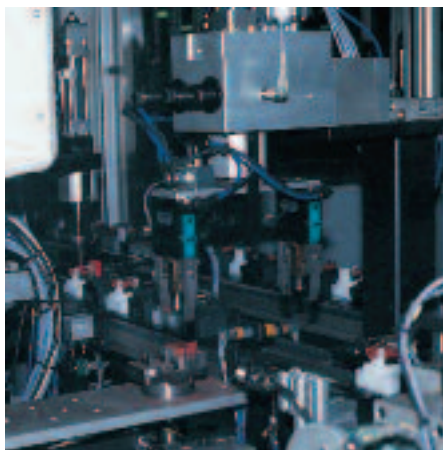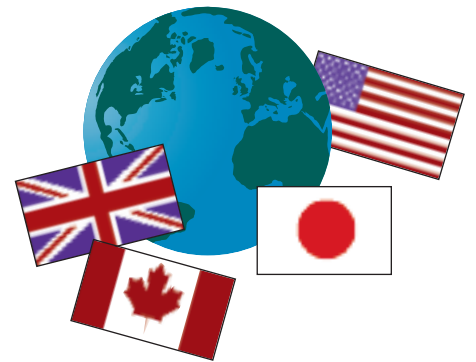
True modularity, real simplicity. Because all operators, flanges, contact blocks and power supplies simply snap together, installation is fast, inventory requirements are slashed, and application flexibility is greatly increased. You can wire terminals off the operator, then snap the block on when you're done. Disassembly is just as easy.

Innovative contact blocks. Unique, patented double bridge wiping contacts in ultrasonically welded housings provide long life and superior contact fidelity, even in low voltage applications.

Designed and built for reliability. Quality is built in to every component using advanced design and manufacturing technologies. 100% on-line inspection assures you of the reliability you need.
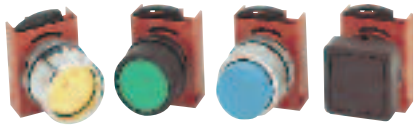

World-wide approval and availability. C-2000 push buttons are truly global. Around the world their catalog numbers follow the same logical nomenclature that simplifies identification and specification. Around the world, they're readily available. Around the world, they meet the standards.

Operators, accessories and options
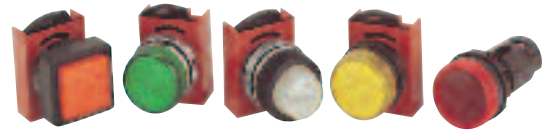
Operator Styles

◖ Polished Chrome	◯ Satin Chrome	⬤ Round Engineered Plastic	☐ Square Engineered Plastic	⏩ Unibloc

Standard Push Buttons
Styles: ◖ ◯ ⬤ ☐
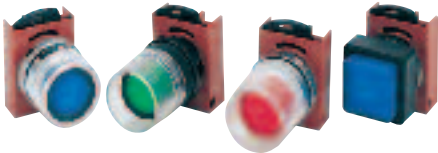Colors: ● ● ● ● ● ○ ● ●

Pilot Lights
Styles: ◖ ◯ ⬤ ☐ ⏩
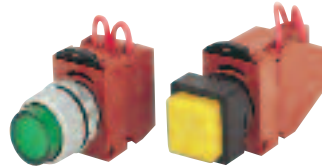Colors: ● ● ● ● ○ ● + clear
Options: Diffused, refracted or glass lens lighting

Illuminated Push Buttons
Styles: ◖ ◯ ⬤ ☐
Colors: ● ● ● ● ○ ● + clear

Push-To-Test Pilot Lights
Styles: ◖ ◯ ⬤ ☐
Colors: ● ● ● ● ○ ● + clear
Options: Range of full voltage, transformer and resistor power supplies; incandescent or LED bulbs

Mushroom-Head Push Buttons
Styles: ◖ ◯ ⬤ ☐
Colors: ● ● ● ●
Options: Push/turn-to-release; push/key-to-release; 28mm, 40mm, 60mm heads *(Not all colors and styles available with all options)*
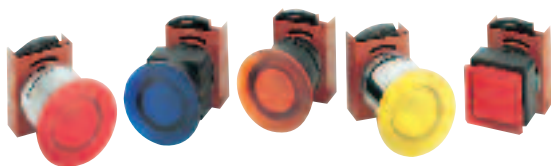

Selector Switches
Styles: ◖ ◯ ⬤ ☐
Colors: ● ● ● ● ●
Options: 2 through 5 positions, momentary and spring return

Illuminated Mushroom-Head Push Buttons
Styles: ◖ ◯ ⬤ ☐
Colors: ● ● ● ● ○ ● + clear
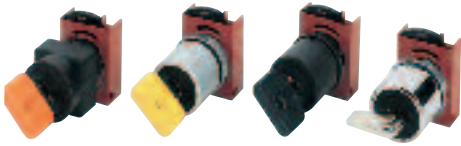Options: Momentary, 2-position maintained, 3-position momentary/maintained

Illuminated Selector Switches
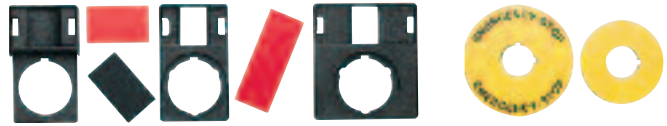Styles: ◖ ◯ ⬤ ☐
Colors: ● ● ● ● ○ ● + clear
Options: 2- and 3- positions, momentary and spring return

Key Selector Switches

Styles: ⬤ ◯ ◉ ☐

Options: 2-, 3- and 4-positions; maintained and spring return; range of key type and key removal options

Special Operators

Types: Joysticks, toggle switches, wobble sticks, potentiometer operators, reset push buttons & buzzers

Styles: ⬤ ◯ ◉ ☐

(Not all special operators are available in square engineered plastic)

Multi-Function Push Buttons

Colors: Black/Red, Green/Red

Options: Extended bottoms, I/O markings

Key-Operated & Selector Push Buttons

Styles: [no sq. eng. plastic]

Options: Locking & key removal positions

Power Supplies & Contact Blocks

C-2000 push buttons come with the full range of full voltage, transformer and resistor power supplies, with a choice of terminal types, and with various contact configurations.

Nameplates

Options: Metal or plastic, full range of standard markings, custom engraved markings, yellow emergency nameplates

Enclosures

Options: Plastic, die cast aluminum, sheet steel, stainless steel; NEMA 1, 3, 3R, 3S, 4, 4X, 12, 13 & IP66
(Not all enclosures carry all NEMA ratings listed)

Lamps

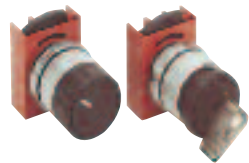Options: Incandescent, neon, LED, integrated LED power supplies

Assembled Forms

C-2000 push buttons also are available as factory assembled forms with a single catalog number and list price. See publication DEP-023 for details, or contact your GE distributor or account manager.

Technical Data

General Specifications

Conformity to standards	**UL 508** (USA)	**CSA C22.2 No. 14-M91** (Canada)
	NEMA ICS-2 (USA)	**IEC 947.5.1** (International)
	VDE 0660 (Germany)	**UTE** (France)
	BSI (Great Britain)	**NFC 63140** (France)
	CEI EN60947.5.1 (Italy)	**JIS** (Japan)
	CENELEC EN 5000 7 (Europe)	
Approvals	**UL Listed** - File Number E66677 C E	
	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

Operating	**Storage**	
-13° to +158° F	-40° to 158° F	
-25° to +70° C	-40° to +70° C	

Climate suitability/humidity

Climate Type	Temperature	Relative Humidity
Temperate	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 lb (11 N)
	Each contact block: 1.3 lb (6 N)
	Selector switch operator : 2.4 in-lb (0.27 N-m)

imagination at work