

# **COMePI** Control Stations

## Comepi Control Stations – Precision, Durability, and Performance

### *Unmatched Control and Safety for Industrial Applications*

Comepi Control Stations deliver high-performance control solutions designed to optimize machine operation, safety, and efficiency in demanding industrial environments. Available in single-function, multi-function, and emergency stop (E-Stop) configurations, these control stations meet the diverse needs of industrial automation, machinery control, and safety applications. Additionally, M12 quick-connect versions allow for fast, tool-free installation, reducing wiring complexity and improving system efficiency. Whether you need basic pushbutton control, selector switches, or advanced safety mechanisms, Comepi has a solution to meet your requirements.

### Features

- **Rugged Construction** – Built with polycarbonate fiberglass reinforcement, these control stations offer high impact resistance, ensuring long-lasting performance in industrial settings.
- **Pre-Assembled Convenience** – Delivered as ready-to-install units, Comepi control stations eliminate assembly time, increasing operational efficiency.
- **Superior Protection** – Rated IP65, these stations are dust-tight and resistant to water jets, making them suitable for harsh environments.
- **Double Insulation for Safety** – Class II insulation enhances electrical safety, reducing the risk of failures.
- **Versatile Operation** – Available in momentary, maintained, and key-operated configurations, catering to various control requirements.
- **User-Friendly Design** – The ergonomic pushbuttons, knobs, and levers ensure effortless operation and precise control.
- **Quick & Secure Installation** – Can be mounted using four M4 screws or GR CA-001 magnets (not included), providing flexibility in mounting options.
- **M12 Quick-Connect Options** – Pre-wired M12 connector versions simplify installation and enable plug-and-play connectivity for industrial automation systems.

### Approvals

- cULus
- CE



**SB114-042-G**



**SB414-01B-G**

# COMEPI Contact Blocks

**ECX1030N-2****ECX1040N-2**

## Approvals

- CE, cULus
- IMQ, EAC, CCC



## Contact Block Selection Chart

| Part Number                       | Price  | Drawing Link               | Contact Type | Description                                                                                                         | Color |
|-----------------------------------|--------|----------------------------|--------------|---------------------------------------------------------------------------------------------------------------------|-------|
| <a href="#"><u>ECX1030N-2</u></a> | \$4.00 | <a href="#"><u>PDF</u></a> | (1) N.C.     | Comepi contact block, replacement, 22mm, (1) N.C. contact(s). Package of 2. For use with ECX4029-2 mounting flange. | Red   |
| <a href="#"><u>ECX1040N-2</u></a> | \$4.00 | <a href="#"><u>PDF</u></a> | (1) N.O.     | Comepi contact block, replacement, 22mm, (1) N.O. contact(s). Package of 2. For use with ECX4029-2 mounting flange. | Green |

## Contact Block Specifications

|                                                                               |                                  |                                                                  |
|-------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------|
| <b>Positive Opening</b>                                                       |                                  | IEC 60947-5-1                                                    |
| <b>Material</b>                                                               |                                  | Plastic                                                          |
| <b>Color</b>                                                                  |                                  | Red or Green                                                     |
| <b>Rated Insulation Voltage <math>U_i</math></b>                              |                                  | IEC 60947-1 and EN 60947-1 UL 508 and CSA C22-2 n°14 / 690       |
| <b>Rated Impulse withstand Voltage <math>U_{imp}</math> [kV]</b>              |                                  | IEC 60947-1 and EN 60947-1 / 8                                   |
| <b>Contact Rating UL 508</b>                                                  |                                  | A600, Q300                                                       |
| <b>Pollution Degree</b>                                                       |                                  | 3                                                                |
| <b>Conditional Short-Circuit Current</b>                                      |                                  | IEC 60947-1 and EN 60947-1                                       |
| <b>Conventional Free Air Thermal Current <math>I_{th}</math></b>              |                                  | IEC 60947-5-1 and EN 60947-5-1 $\theta < 40^\circ\text{C}$       |
| <b>Short-Circuit Protection <math>U_e</math> min 500Vac-gG (gl) fuses [A]</b> |                                  | < 500 VAC – gG (gl) type fuses / 10                              |
| <b>Rated Operational Current [IEC 60947-5-1]</b>                              | <b><math>e</math> / AC-15:</b>   | 24VAC - 50/60 Hz<br>240VAC - 50/60 Hz<br>400VAC - 50/60 Hz       |
|                                                                               | <b><math>i_e</math> / DC-13:</b> | 24VDC<br>125VDC<br>250VDC                                        |
| <b>Switching Frequency [cycles/hr]</b>                                        |                                  | 3600                                                             |
| <b>Resistance between Contacts</b>                                            |                                  | Less than or equal to 25 mΩ                                      |
| <b>Protection Degree IEC 60529 and EN 60529</b>                               |                                  | IP20                                                             |
| <b>Connecting Terminals</b>                                                   |                                  | Screw with captive cable clamp<br>1 or 2 conductors - 0.5 to 2.5 |
| <b>Agency Approvals</b>                                                       |                                  | cULus, CE                                                        |