

#### 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 dusttight 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

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# © ► E-Stop Control Stations







• IP65





SB115-012-G

SB115-102-G

E-Stop Selection Chart									
Part Number	Price	Drawing Link	Operator Color	Operator Legend	Operator Type	Action	Operator Protection	Contact Type	
<u>SB115-012-G</u>	\$6gjj:	PDF						(1) N.C.	
<u>SB115-013-G</u>	\$-6gjk:	PDF					N/A	(1) N.O./(1) N.C.	
<u>SB115-015-G</u>	\$-6gjp:	PDF						(2) N.C.	
<u>SB115-102-G</u>	\$-6gjq:	PDF	Red Arrow	Mushroom	Twist-to-release	Guarded and Padlockable	(1) N.C.		
<u>SB115-103-G</u>	\$-6gjs:	PDF					(1) N.O./(1) N.C.		
<u>SB115-105-G</u>	\$;-6gjt:	<u>PDF</u>						(2) N.C.	

E-Stop Specifications					
Mounting		Four M4 screws or GR CA-001 magnets			
Body Material		Reinforced thermoplastic			
Construction Form	1	Pre-assembled enclosure			
Connection		Screw with captive cable clamp			
Operating Tempera	ature	- 40 to +158°F [- 4 to 70°C]			
EN 60947-5-5 EN IS	SO 13850	Compliant			
Reference Regulat	tions	Class II - Double insulation			
Degree of Protecti	on	IP65			
Colors		Yellow cover black box			
Rated Insulating Voltage Ui [VDC]		690			
Pollution Degree		3			
Rated Impulsive V	oltage [kV]	8			
Short Circuit Prote - fuses type gG (gl	ection (EU min 500Vac )) [A]	10			
Operating Currents	Ie - AC-15 (50-60 Hz) [VAC - A]	24V - 10A / 240V - 6A / 400V - 4A			
Currents	DC-13 [VDC - A]	24V - 2.8 A / 125V - 0.55A / 250V - 0.27A			
Max. Switching Fro	equency [cycles/hr]	3600			
Marking Terminals		According to EN 60947 - 5-1			
Mechanical Durab	ility	0.3 (millions of operations)			
B10d		0.6 (millions of operations)			
Agency Approvals		CE, cULus			

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### OM≡ M12 E-Stop Control Stations





## Approvals • CE, cULus

- IP65



SB115-012-G-M

SB115-105-G-M

M12 E-Stop Selection Chart									
Part Number	Price	Drawing Link	Operator Color	Operator Legend	Operator Type	Requires	Action	Operator Contact Ty	
<u>SB115-012-G-M</u>	\$-6gju:	<u>PDF</u>	Red	Arrow	Mushroom	5-pin female M12 cable			(1) N.C.
<u>SB115-013-G-M</u>	\$-6gjv:	PDF					Twist-to-release	N/A	(1) N.O./(1) N.C.
<u>SB115-015-G-M</u>	\$-6gjx:	PDF							(2) N.C.
<u>SB115-102-G-M</u>	\$-6gjy:	PDF							(1) N.C.
<u>SB115-103-G-M</u>	\$-6gjz:	PDF						Guarded and Padlockable	(1) N.O./(1) N.C.
<u>SB115-105-G-M</u>	\$;-6gj]:	<u>PDF</u>							(2) N.C.

M12 E-Stop Specifications				
Mounting		Four M12 screws or GR CA-001 magnets		
Body Material		Reinforced thermoplastic		
Construction For	m	Pre-wired enclosure		
Connection		M12x1.0 5-pole connector		
Operating Tempe	rature	- 40 to +158°F [- 4 to 70°C]		
Degree of Protect	ion	IP65		
EN 60947-5-5 EN	ISO 13850	Compliant		
Reference Regula	ntions	Class II - Double insulation		
Rated Insulating	Voltage Ui [VDC]	125		
Pollution Degree		3		
Rated Impulsive Voltage [kV]		2.5		
Short Circuit Protection (EU min 500Vac - fuses type gG (gl)) [A]		4		
Operating Currents	Ie - AC-15 (50-60 Hz) [VAC - A]	24V - 4A		
	DC-13 operating currents [VDC - A]	24V - 4A		
Max. Switching Frequency [cycles/hr]		3600		
Marking Terminals		According to EN 60947 - 5-1		
B10d		0.6 (millions of operations)		
Colors		Yellow cover with black box		
Mechanical Durability		0.3 (millions of operations)		
Agency Approvals		CE, cULus		

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## OM≡™ Operator Selection







## Applications • IEC 60947-5 -1

**Approvals** 





#### ECX4101 ECX4410

ECX4102

• IP65 • CE, UL508

Operator Selection Chart							
Part Number	Price	Drawing Link	Description	Operator Color	Operator Legend	Action	Туре
ECX4105-91	\$;6gk[:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: white, flush, 30mm, round, plastic, operator text "START". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	White	START		Flush
ECX4110-91	\$6gk_:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: black, extended, 30mm, round, plastic, operator text "STOP". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Black	STOP		Extended
<u>ECX4111</u>	\$6gk#:	<u>PDF</u>	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: red, extended, 30mm, round, plastic. Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Dad		Momentary -	
ECX4111-01	\$;6gk!:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: red, extended, 30mm, round, plastic, operator text "(O)".  Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Red	(O)		
ECX4107-90	\$6gk?:	<u>PDF</u>	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: green, flush, 30mm, round, plastic, operator text "(I)". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	0	(1)		Flush
ECX4107-91	\$6gkv:	<u>PDF</u>	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: green, flush, 30mm, round, plastic, operator text "(II)". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Green	(II)		
ECX4106	\$6gkx:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: red, flush, 30mm, round, plastic, operator text "(O)". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Red	(O)		
ECX4100	\$6gky:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: black, flush, 30mm, round, plastic. Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.		N/A		
ECX4300	\$6gkg:	PDF	Comepi selector switch, IP65, 22mm, 2-position, maintained, operator only, thermoplastic base, thermoplastic bezel, Operator: black, knob, 30mm, round. Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	- Black		Maintained	Knob
ECX4320	\$6gkh:	PDF	Comepi selector switch, IP65, 22mm, 3-position, maintained, operator only, thermoplastic base, thermoplastic bezel, Operator: black, knob, 30mm, round. Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.				Knob
ECX4410	\$-6gki:	PDF	Comepi selector switch, IP65, 22mm, 2-position, maintained, key removable left position, operator only, thermoplastic base, thermoplastic bezel, Operator: black, key-operated, 30mm, round. Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.				Key-operated
ECX4101	\$6gkz:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: red, flush, 30mm, round, plastic. Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Red			Flush
ECX4102	\$;6gk]:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: green, flush, 30mm, round, plastic. Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Green			
ECX4108-01-B	\$;6gk,:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: white, flush, 30mm, round, plastic, operator text "up arrow". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	White	up arrow		
ECX4108	\$-6gl0:	<u>PDF</u>	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: black, flush, 30mm, round, plastic, operator text "down arrow". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.		down arrow		
ECX4108-01	\$-6gl1:	PDF	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: black, flush, 30mm, round, plastic, operator text "up arrow". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Black	up arrow		
ECX4104-92	\$-6gl2:	<u>PDF</u>	Comepi pushbutton, IP65, 22mm, momentary, operator only, thermoplastic base, thermoplastic bezel, Operator: blue, flush, 30mm, round, plastic, operator text "RESET". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Blue	RESET		
ECX4580	\$-6gl3:	PDF	Comepi emergency stop pushbutton, IP65, 22mm, twist-to-release, operator only, thermoplastic base, thermoplastic bezel, Operator: red, mushroom, 40mm, mushroom, plastic, operator text "arrow". Requires ECX4029-2 mounting flange and ECX10x0N-2 contact block.	Red	arrow	Twist-to- release	Mushroom

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Operator Specifications				
Operator Diameter [mm]	30			
Mounting Hole [mm]	22			
Body Material	Plastic			
Degree of Protection	IP65			
Reference Regulations	IEC 60947-5 -1 / IEC 60947-5-5			
Approvals	CE,UL			

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