



Electrical Components

MONOBLOC 22.5mm Control Units

- Pushbuttons
- Selector Switches
- E-Stops
- Pilot Lights
- Indicators
- Buzzers



MONOBLOC 22.5mm Control Units

ITC Introduces a new series of 22.5mm plastic MONOBLOC control units, which represent an economical, compact alternative to the traditional products, composed of separate actuator, a bracket and a number of contacts.

Monobloc control units have very small footprint, and aesthetically combine with other 22.5mm panel components.

Features and Specifications:

- Type of contact: NO or NC slow break. NC contacts have “positive opening”
- Rated insulation voltage U_i : 250V
- Current rating AC: 15A make, 1.5A break - Thermal current 2.5A
- Current rating DC: 220mA make/break - Thermal current 1.0A
- Voltage rating: AC 120V, DC 125V
- Wire section: min. 1x0.5mm², max. 2x1.5mm² or 1x2.5mm² - Ferrule or spade terminal required
- Ingress protection: IP54
- Temperature rating: -25 to +70°C
- Applicable standards: UL508, CSA 22.2, IEC 60947-5-1
- Spring return pushbuttons: 1x10⁶ operations
- Push-push pushbuttons: 5x10⁵ operations
- Selectors: 1x10⁴ operations
- Emergency stops: 2x10³ operations
- Approvals: cURus

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Monobloc Control Units

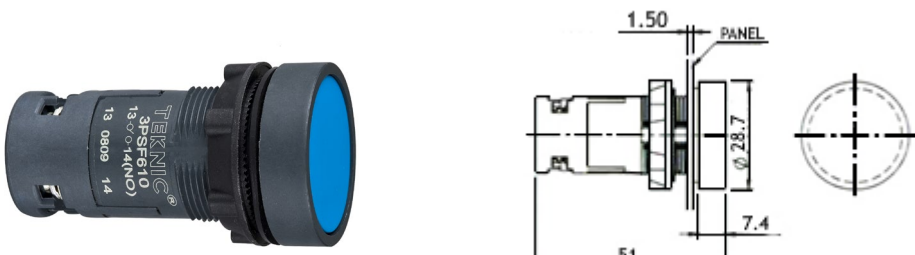
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Monobloc Spring return pushbuttons (Order by Part No.)

					
Colour	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
White	RBM-BA1-10	RBM-BA1-01	RBM-BA1-11	RBM-BA1-20	RBM-BA1-02
Black	RBM-BA2-10	RBM-BA2-01	RBM-BA2-11	RBM-BA2-20	RBM-BA2-02
Green	RBM-BA3-10	RBM-BA3-01	RBM-BA3-11	RBM-BA3-20	RBM-BA3-02
Red	RBM-BA4-10	RBM-BA4-01	RBM-BA4-11	RBM-BA4-20	RBM-BA4-02
Amber	RBM-BA8-10	RBM-BA8-01	RBM-BA8-11	RBM-BA8-20	RBM-BA8-02
Blue	RBM-BA6-10	RBM-BA6-01	RBM-BA6-11	RBM-BA6-20	RBM-BA6-02

Information subject to change without notice

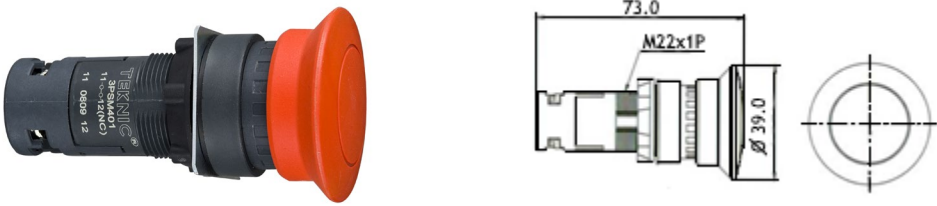
Monobloc Maintained ("Push-push") pushbuttons (Order by Part No.)

					
Colour	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
White	RBM-BX1-10	RBM-BX1-01	RBM-BX1-11	RBM-BX1-20	RBM-BX1-02
Black	RBM-BX2-10	RBM-BX2-01	RBM-BX2-11	RBM-BX2-20	RBM-BX2-02
Green	RBM-BX3-10	RBM-BX3-01	RBM-BX3-11	RBM-BX3-20	RBM-BX3-02
Red	RBM-BX4-10	RBM-BX4-01	RBM-BX4-11	RBM-BX4-20	RBM-BX4-02
Amber	RBM-BX8-10	RBM-BX8-01	RBM-BX8-11	RBM-BX8-20	RBM-BX8-02
Blue	RBM-BX6-10	RBM-BX6-01	RBM-BX6-11	RBM-BX6-20	RBM-BX6-02

Information subject to change without notice

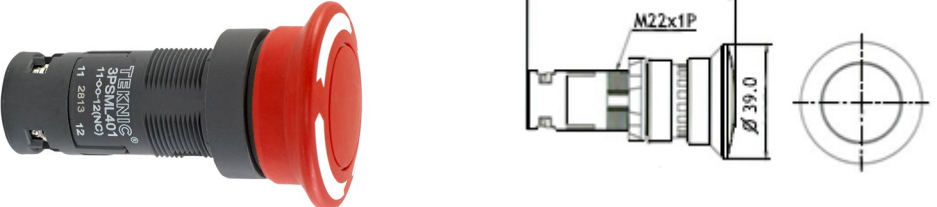


Monobloc Spring Return 40mm Emergency stop devices (Order by Part No.)

					
Colour	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
Red	RBM-BL4-10	RBM-BL4-01	RBM-BL4-11	RBM-BL4-20	RBM-BL4-02

Information subject to change without notice

Monobloc "Turn-to-release" 40mm Emergency stop devices (Order by Part No.)

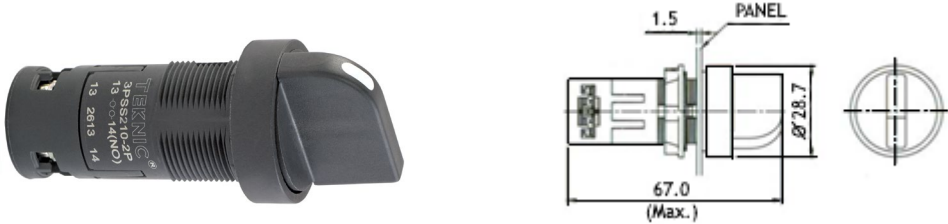
					
Colour	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
Red	RBM-BS54-10	RBM-BS54-01	RBM-BS54-11	RBM-BS54-20	RBM-BS54-02

Information subject to change without notice

Combine ITC's monobloc series with ITC's vast choice of push-button enclosures to complete your control station!

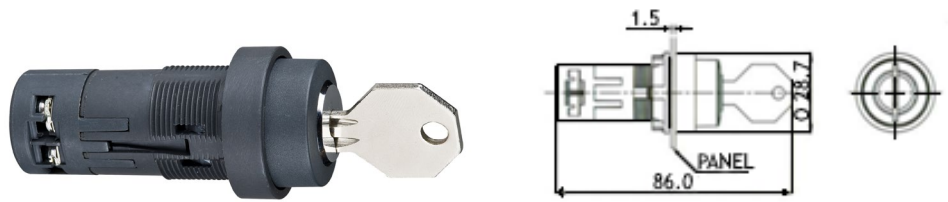


Monobloc Selector switches (Order by Part No.)

					
N. of positions	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
2-positions	RBM-BD2-10	RBM-BD2-01	RBM-BD2-11	RBM-BD2-20	RBM-BD2-02
3-positions	-	-	RBM-BD3-11	RBM-BD3-20	RBM-BD3-02

Information subject to change without notice - Lever colour: black

Monobloc Key operated Selector switches (Order by Part No.)

					
N. of positions	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
2-positions	RBM-BG2-10	RBM-BG2-01	RBM-BG2-11	RBM-BG2-20	RBM-BG2-02
3-positions	-	-	-	RBM-BG3-20	RBM-BG3-02

Information subject to change without notice - Only available upon request (10/2021).

ITC offers a complete line of classic 22.5mm control devices, in metal and plastic, as well as 30mm control devices.





Monobloc LED Indicator Lights and Buzzers

ITC's BU series of Monobloc indicator lights and sound alarms (buzzers) for mounting in 22.5mm panel cutouts combine the convenience of single-component (no separate parts to order or to install) with the long life, low power consumption, high visibility of modern LEDs.



Buzzers have very small footprint, include a luminous red LED indicator and aesthetically combine with other 22.5mm panel components. Connection is by screw terminal. 6V, 36V, 48V and 380VAC are only available upon request.

Monobloc 12 V AC/DC & 24 V AC/DC Indicators (Order by Part No.)

12 V AC/DC				24 V AC/DC			
							
Colour	Part No.	Certification	See Figure	Colour	Part No.	Certification	See Figure
White	RB2-BU1-12V	CE, cULus	1	White	RB2-BU1-24V	CE, cULus	1
Green	RB2-BU3-12V	CE, cULus	1	Green	RB2-BU3-24V	CE, cULus	1
Red	RB2-BU4-12V	CE, cULus	1	Red	RB2-BU4-24V	CE, cULus	1
Amber	RB2-BU5-12V	CE, cULus	1	Amber	RB2-BU5-24V	CE, cULus	1
Blue	RB2-BU6-12V	CE, cULus	1	Blue	RB2-BU6-24V	CE, cULus	1



Information subject to change without notice, dimensions in figures are in mm

Monobloc 48 V AC/DC & 220V AC/DC Indicator (Order by Part No.)

48 V AC/DC				220 V AC/DC 220 V AC only (figure 1)			
							
Colour	Part No.	Certification	See Figure	Colour	Part No.	Certification	See Figure
White	RB2-BU1-48V	CE, cULus	1	White	RB2-BU1-220V	CE, cULus	2
Green	RB2-BU3-48V	CE, cULus	1	Green	RB2-BU3-220V	CE, cULus	2
Red	RB2-BU4-48V	CE, cULus	1	Red	RB2-BU4-220V	CE, cULus	2
Amber	RB2-BU5-48V	CE, cULus	1	Amber	RB2-BU5-220V	CE, cULus	2
Blue	RB2-BU6-48V	CE, cULus	1	Blue	RB2-BU6-220V	CE, cULus	2



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Monobloc 110 V AC Indicators (Order by Part No.)

110 V AC only				110 V AC/DC			
							
Colour	Part No.	Certification	See Figure	Colour	Part No.	Certification	See Figure
White	RB2-BU1-110VAC	CE, cULus	1	White	RB2-BU1-110V	CE, cULus	7
Green	RB2-BU3-110VAC	CE, cULus	1	White	RB2-BU1-110V	CE, cURus	3
Red	RB2-BU4-110VAC	CE, cULus	1	Green	RB2-BU3-110V	CE, cURus	3
Amber	RB2-BU5-110VAC	CE, cULus	1	Red	RB2-BU4-110V	CE, cURus	3
Blue	RB2-BU6-110VAC	CE, cULus	1	Amber	RB2-BU5-110V	CE, cURus	3
				Blue	RB2-BU6-110V	CE, cULus	7

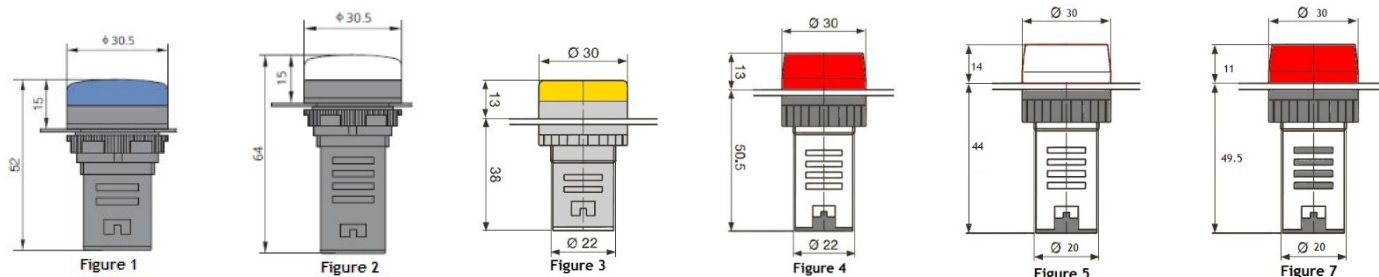
Information subject to change without notice, dimensions in figures are in mm

BU Series Buzzers & Bi-colour Indicators (Order by Part No.)

Indicator/Buzzers			Bi-colour Indicators		
					
Operation	Part No.	See Figure	Colour	Part No.	See Figure
Intermittent - red light	RB2-BUZ1-12V^	4	Green/Red	RB2-BU34-24V	5
Intermittent - red light	RB2-BUZ1-24V	4	Green/Red	RB2-BU34-110V	5
Intermittent - red light	RB2-BUZ1-110V	4			
Intermittent - red light	RB2-BUZ1-230V^	4			
Intermittent - no light	RB2-BUZN-12V^	4			
Intermittent - no light	RB2-BUZN-24V	4			
Intermittent - no light	RB2-BUZN-110V	4			
Intermittent - no light	RB2-BUZN-230V^	4			

^ special order; RB2-BUZ series: no approvals

Information subject to change without notice, dimensions in figures are in mm



Features and specifications:



- Relative humidity: Maximum 85%
- Rated current: Maximum 20 mA
- Operational life: > 30,000 hours
- Brightness at rated voltage: LED indicators > 60 cd/m², Buzzers n.a.
- Loudness: LED indicators n.a., Buzzers >70 dB/10cm
- Maximum voltage: +10% of rated voltage (AC)
- Minimum operating voltage: -15% of rated voltage (AC)
- Rated wire: 0.5 to 2.5mm² (22 to 14AWG)
- Terminal screw maximum torque: 0.8 Nm
- Operating temperature: -5 to 40 °C
- IP rating: LED indicators IP65, Buzzers IP20

BUF Series Flashing Monobloc Indicators

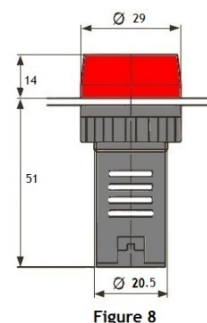
The series BUF flashing Monobloc LED indicators are single-component pilot lights (no separate parts to order or to install), for mounting in 22.5mm panel cutouts, which include a micro circuit which generates a flashing signal.

Available in 4 colours, 12V and 24V AC/DC, no UL/CSA certification.

BUF Series Flashing Monobloc Indicators (Order by Part No.)

12 V AC/DC				24 V AC/DC			
							
Colour	Part No.	Cert.	See Figure	Colour	Part No.	Cert.	See Figure
Green	RB2-BUF3-12	CE	8	Green	RB2-BUF3-24	CE	8
Red	RB2-BUF4-12	CE	8	Red	RB2-BUF4-24	CE	8
Amber	RB2-BUF5-12	CE	8	Amber	RB2-BUF5-24	CE	8
Blue	RB2-BUF6-12	CE	8	Blue	RB2-BUF6-24	CE	8

Information subject to change without notice, dimensions in Figures are in mm



Since 1994, ITC is a trusted resource for industrial electrical and automation components. With over 10000 different parts available from its Toronto area warehouse, ITC provides the perfect blend of dependable stock, quality products, fair pricing, and friendly, knowledgeable service.

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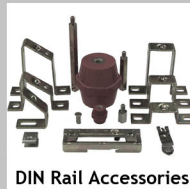
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DIN Rail



DIN Rail Accessories



Non-Metallic Enclosures



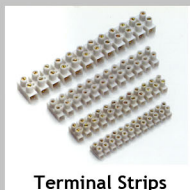
Hinged Enclosures



Thermal Management



Multipole Connectors



Terminal Strips



Compact IP68 Connectors



Terminal Blocks



22.5mm Pushbuttons



LED Indicators



Control Stations



Limit Switches



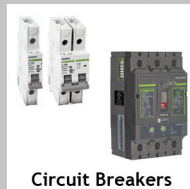
Micro Limit Switches



Safety Switches



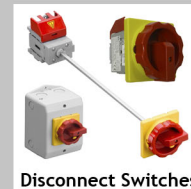
Foot Switches



Circuit Breakers



IEC Contactors



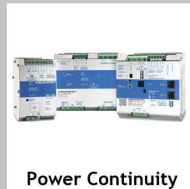
Disconnect Switches



Midget and CC Fuse Holders



Tower Lights



Power Continuity



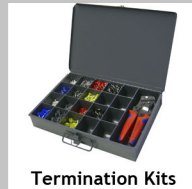
Ferrules



Colour Coded Lugs



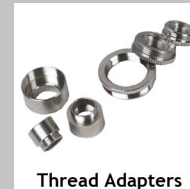
Crimp Terminals



Termination Kits



Cable Glands



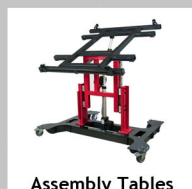
Thread Adapters



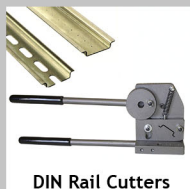
Cable Entry Systems



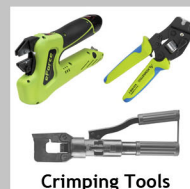
Wire Management



Assembly Tables



DIN Rail Cutters



Crimping Tools



Hole Cutting & Punching Tools



Cutting & Stripping Tools - Wire & Cable