



ELECTRICAL COMPONENTS

MONOBLOCK 22.5mm Control Units

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



MONOBLOCK 22.5mm Control Units

ITC Introduces a product series of 22.5mm plastic MONOBLOCK control units, which represent an economical, compact alternative to the traditional products, composed of separate actuator, a bracket and a number of contacts. Every product here is a single-component monoblock solution (no separate parts to order), engineered for durability, simplified installation, and reliable operation in demanding environments.

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

ITC also offers matching Pushbutton Enclosures for easy and clean mounting of the monoblocks and other 22.5 control devices.



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Monoblock LED Indicator Lights and Buzzers

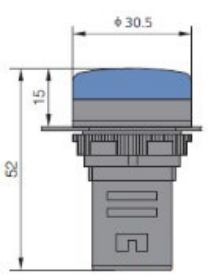
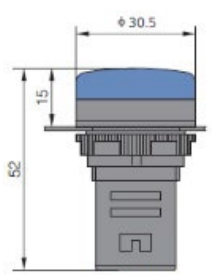






ITC's Monoblock indicator lights and sound alarms (buzzers) for mounting in 22.5mm panel cutouts combine the convenience of single-component (no separate parts to order or to install) with the long life, low power consumption, high visibility of modern LEDs.

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.

Features and specifications:

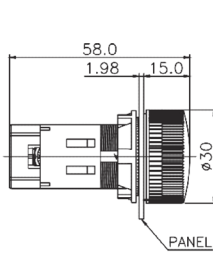
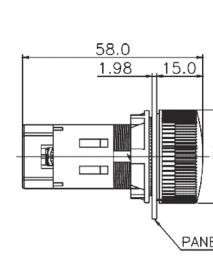






- **Relative humidity:** Maximum 85%
- **Rated current:** Maximum 20 mA
- **Operational life:** > 30,000 hours
- **Brightness at rated voltage:** LED indicators > 60 cd/m²
- **Loudness (Buzzers):** >70 dB/10cm
- **Maximum voltage:** +10% of rated voltage (AC)
- **Minimum operating voltage:** -15% of 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

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

12V AC/DC			24V AC/DC		
  			  		
Colour	Part No.	Colour	Part No.		
White	RB2-BU1-12V	White	RB2-BU1-24V		
Green	RB2-BU3-12V	Green	RB2-BU3-24V		
Red	RB2-BU4-12V	Red	RB2-BU4-24V		
Amber	RB2-BU5-12V	Amber	RB2-BU5-24V		
Blue	RB2-BU6-12V	Blue	RB2-BU6-24V		

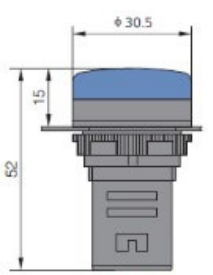
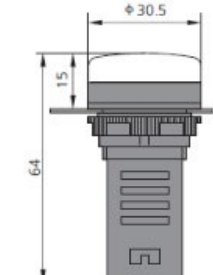






Information subject to change without notice, dimensions in figures are in mm

Monoblock - T series 12V AC/DC & 24V AC/DC Indicators (Order by Part No.)

12V AC/DC			24V AC/DC		
  			  		
Colour	Part No.	Colour	Part No.		
White	RB2-BU1T-12V	White	RB2-BU1T-24V		
Green	RB2-BU3T-12V	Green	RB2-BU3T-24V		
Red	RB2-BU4T-12V	Red	RB2-BU4T-24V		
Amber	RB2-BU5T-12V	Amber	RB2-BU5T-24V		
Blue	RB2-BU6T-12V	Blue	RB2-BU6T-24V		

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

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

48V AC/DC			220V AC/DC		
  			  		
Colour	Part No.	Colour	Part No.		
White	RB2-BU1-48V	White	RB2-BU1-220V		
Green	RB2-BU3-48V	Green	RB2-BU3-220V		
Red	RB2-BU4-48V	Red	RB2-BU4-220V		
Amber	RB2-BU5-48V	Amber	RB2-BU5-220V		
Blue	RB2-BU6-48V	Blue	RB2-BU6-220V		

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

Monoblock - T Series 110V & 220V AC Indicators (Order by Part No.)

110V AC			220V AC/DC		
Colour	Part No.	Colour	Part No.		
White	RB2-BU1T-110VAC	White	RB2-BU1T-220V		
Green	RB2-BU3T-110VAC	Green	RB2-BU3T-220V		
Red	RB2-BU4T-110VAC	Red	RB2-BU4T-220V		
Amber	RB2-BU5T-110VAC	Amber	RB2-BU5T-220V		
Blue	RB2-BU6T-110VAC	Blue	RB2-BU6T-220V		

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

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

110V AC only			110V AC/DC		
Colour	Part No.	Colour	Part No.		
White	RB2-BU1-110VAC	White	RB2-BU1-110V		
Green	RB2-BU3-110VAC	Green	RB2-BU3-110V		
Red	RB2-BU4-110VAC	Red	RB2-BU4-110V		
Amber	RB2-BU5-110VAC	Amber	RB2-BU5-110V		
Blue	RB2-BU6-110VAC	Blue	RB2-BU6-110V		

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

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

^special order;



*RB2-BUZ series: no approvals

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

BUF Series Flashing Monoblock Indicators

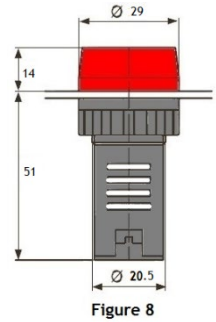
The series BUF flashing Monoblock LED indicators are single-component pilot lights (no separate parts to order or to install), for mounting in 22.5mm panel cutouts, which include a micro circuit which generates a flashing signal. Available in 4 colours, 12V and 24V AC/DC, no UL/CSA certification.

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

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

*RB2-BUF series: no approvals

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



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



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



Monoblock Pushbuttons and Selector Switches


ITC's Monoblock Pushbuttons and Selector Switches deliver compact yet powerful solutions for operator control and safety in industrial systems. Designed for Ø22.5 mm panel mounting, they integrate the actuator and contact elements in a single, unified package—no separate parts to source or assemble.


Features and specifications:

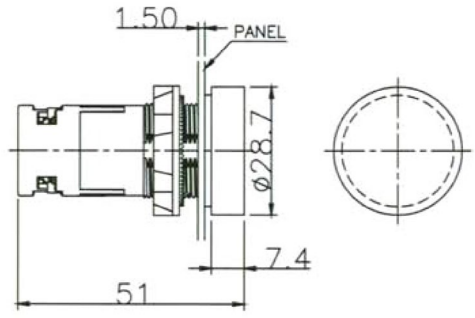
- **Type of contact:**
NO or NC slow break. NC contacts have “positive opening”
- **Rated insulation voltage Ui:** 250V
- **Current rating AC:**
15A make / 1.5A break - Thermal current 2.5A
- **Current rating DC:**
220mA make / break - Thermal current 1.0A
- **Voltage rating:** AC 120V, DC 125V
- **Wire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



Monoblock Spring return pushbuttons (Order by Part No.)









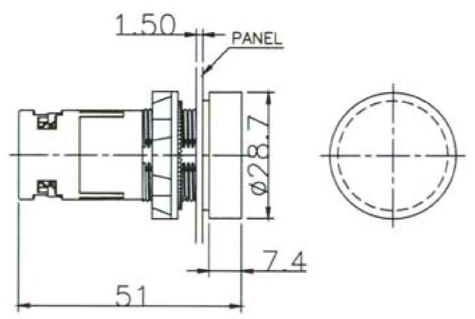
Colour	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
White	RBM-BA1-10	RBM-BA1-01	RBM-BA1-11	RBM-BA1-20	RBM-BA1-02
Black	RBM-BA2-10	RBM-BA2-01	RBM-BA2-11	RBM-BA2-20	RBM-BA2-02
Green	RBM-BA3-10	RBM-BA3-01	RBM-BA3-11	RBM-BA3-20	RBM-BA3-02
Red	RBM-BA4-10	RBM-BA4-01	RBM-BA4-11	RBM-BA4-20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

Monoblock Maintained (“Push-push”) pushbuttons (Order by Part No.)






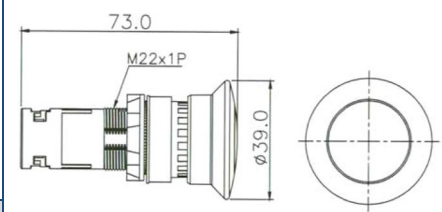


Colour	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
White	RBM-BX1-10	RBM-BX1-01	RBM-BX1-11	RBM-BX1-20	RBM-BX1-02
Black	RBM-BX2-10	RBM-BX2-01	RBM-BX2-11	RBM-BX2-20	RBM-BX2-02
Green	RBM-BX3-10	RBM-BX3-01	RBM-BX3-11	RBM-BX3-20	RBM-BX3-02
Red	RBM-BX4-10	RBM-BX4-01	RBM-BX4-11	RBM-BX4-20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

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




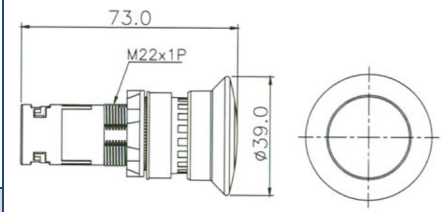


Colour	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
Red	RBM-BL4-10	RBM-BL4-01	RBM-BL4-11	RBM-BL4-20	RBM-BL4-02

*RBM-BL4 series: no approvals
Information subject to change without notice

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




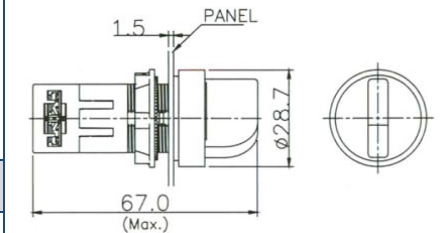


Colour	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
Red	RBM-BS54-10	*RBM-BS54-01	RBM-BS54-11	RBM-BS54-20	*RBM-BS54-02

Information subject to change without notice
*Product is approved with us, but is not printed or visible on the body

Monoblock Selector switches (Order by Part No.)




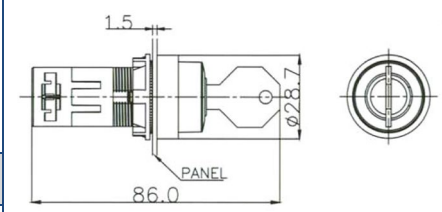


No. of positions	1NO Contact	1NC Contact	1NO+1NC Contact	2NO Contact	2NC Contact
2-positions	RBM-BD2-10	RBM-BD2-01	RBM-BD2-11	RBM-BD2-20	RBM-BD2-02
3-positions	-	-	RBM-BD3-11	RBM-BD3-20	RBM-BD3-02

Information subject to change without notice - Lever colour: black

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





No. 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

*RBM-BG series: no approvals
Information subject to change without notice - Only available upon request (11/2025).



ELECTRICAL COMPONENTS

416.663.7223
 www.itcproducts.com
 50 Mural St Unit 8
 Richmond Hill, ON L4B 1E4



DIN Rail



DIN Rail Accessories



Hinged Enclosures



Thermal Management



PANEL Lighting



Multipole Connectors



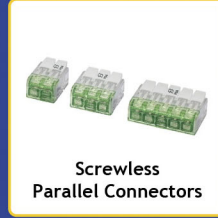
Compact IP68 Connectors



Terminal Blocks



Terminal Strips



Screwless Parallel Connectors



22.5mm Pushbuttons



LED Indicators



Control Stations



Limit Switches



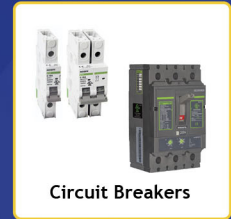
Micro Limit Switches



Safety Switches



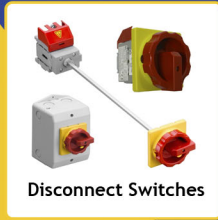
Foot Switches



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



DIN Rail Cutters



Assembly Tables



Cutting & Stripping



Crimping Tools



Hole Cutting & Punching Tools

SOME OF OUR MANUFACTURING PARTNERS

