

# Unicode™ 2 Series Mushroom Push Buttons

## Components for Increased Safety Enclosures

**NEC/CEC:**  
 Class I, Division 2, Groups A, B, C, D  
 Class I, Zone 1, AEx de IIC  
 Class I, Zone 1, AEx e IIC

**NEC/CEC:**  
 Class II, Division 2, Groups F, G  
 Class III  
 Type 4X/IP66 ①

**ATEX/IECEX:**  
 Zone 1 and 2 – 21 and 22  
 Ⓢ II 2 GD  
 IP66 – IK10

CONTROLS: NEC/CEC, ATEX/IECEX INCREASED SAFETY CONTROL STATIONS

### Features

- Can be equipped with up to three Unicode 2 Series Contact Blocks (UCB) contact blocks.
- Globally certified.
- Available in TS35 rail mounted or panel mounted.

### Standard Materials

- Body: polyamide
- Seal: ethylene propylene diene Monomer (M-class) rubber (EPDM)

### NEC/CEC Certifications and Compliances

- Certification Type TCe
  - Operating Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
  - Ingress Protection (solid and liquid): IP66 and Type 4X ①
  - CAN/CSA Standards: C22.2 No. 0-M91, No. 14-05, No. 94-M91, No. 213-M1987, No. 60079-0:07, No. 60079-1:07, No. 60529:05, E60079-7-03, E61241-1-1:02
  - UL Standards: UL 508, UL 50E, UL 60079-0, UL 60079-1, UL 60079-7
  - Other Standards: ANSI/ISA 12.12.01-2011, ANSI/ISA 61241-0 (12.10.02)-2006, ANSI/ISA 61241-1(12.10.03)-2006
  - CSA Certificate: 2358701

### ATEX/IECEX Certifications and Compliances

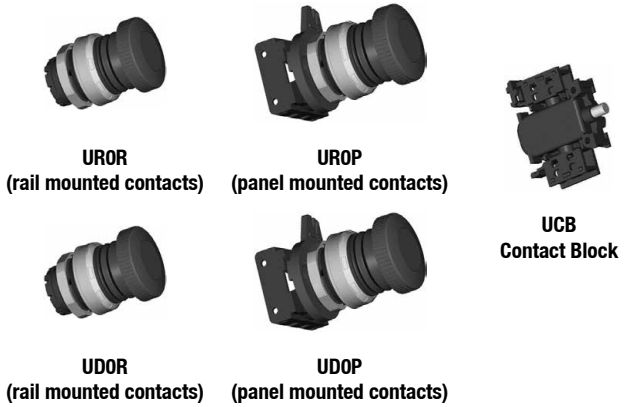
- Certification Type TCe
  - Gas: Zone 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex e IIC Gb
  - Dust: Zone 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tb IIIC Db
- Surface Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- CE Declaration of Conformity: 5C242
- ATEX Certificate: LCIE 09 ATEX 3010U
- IECEx Certificate: IECEx LCI 09.0011U
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

### EURASEC Certification

- EURASEC RU C-FR. Г505.В00909

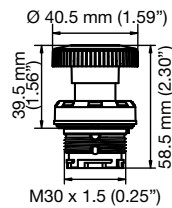
### Other Certification ②

- INMETRO Certificate: BVC 10.0044-U

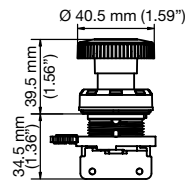


### Dimensions in Millimeters (Inches)

#### Rail Mounted Contacts



#### Panel Mounted Contacts



① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used.  
 ② INMETRO certification available on special request only. Contact your local sales representative for more information.

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Type 4X/IP66 ①

### ATEX/IECEX:

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CONTROLS: NEC/CEC, ATEX/IECEX INCREASED SAFETY CONTROL STATIONS

	Weight kg (lb)		Volume dm <sup>3</sup> (in <sup>3</sup> )		Pack	Catalog Number	
	Rail Mounted	Panel Mounted	Rail Mounted	Panel Mounted		Rail Mounted	Panel Mounted
<b>Spring Return Mushroom Head Push Button (contact block to be ordered separately)</b>							
<i>Legend plates, guards, blanking plugs (see Accessories page).</i>							
Red	0.045 (0.099)	0.06 (0.13)	0.26 (15.87)	0.12 (7.32)	1	UR0R	UR0P
Black	0.045 (0.099)	0.06 (0.13)	0.26 (15.87)	0.12 (7.32)	1	UB0R	UB0P
<b>Push-Pull Mushroom Head Push Button (contact block to be ordered separately)</b>							
<i>Legend plates, guards, blanking plugs (see Accessories page).</i>							
Red Emergency Stop	0.045 (0.099)	0.06 (0.13)	0.12 (7.32)	0.26 (15.87)	1	UD0R	UD0P
<b>1-Pole Contact Blocks</b>							
1 x NO						UCB5R	UCB5P
	0.032 (0.071)		0.06 (3.66)		1		
1 x NC						UCB9R	UCB9P
<b>Accessories</b>							
Rail to panel mounted conversion adaptor		0.02 (0.04)		0.08 (4.88)	1		UPMA

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