

Unicode™ 2 Series Illuminated 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

Appleton

Features

- Can be equipped with up to two Unicode 2 Series Contact Blocks (UCB) contact blocks.
- Globally certified.
- Available in TS35 rail mounted or panel mounted.
- Long lifetime, high intensity single LED light.
- Rated operating voltage (Ue): 12 Vac to 254 Vac, 50/60 Hz and 12 Vdc to 60 Vdc.
- Terminal connection: 2.5 mm² (0.004 in²)
- Operational life: 100,000 hours.

Standard Materials

- Body: polyamide
- Lens: polycarbonate
- 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 (Actuator and Lens)
 - 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
- Certification Type CVe (Contact Block and Pilot Light)
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
 - Type of Protection: Ex e IIC
 - Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: -40 °C to +75 °C (-40 °F to +167 °F)
 - CE Declaration of Conformity: 5C243
 - ATEX Certificate: LCIE 09 ATEX 3001U
 - IECEX Certificate: IECEX LCI 09.0002U



ULG0H
(rail mounted contacts)



ULG0P
(panel mounted contacts)



UCB
Contact Block



UIL08

EURASEC Certification

- Certification Type TCe (Actuator and Lens)
 - EURASEC RU C-FR. Г505.В00909
- Certification Type CVe (Contact Block and Pilot Light)
 - EURASEC RU C-FR. Г505.В00909

Other Certification ②

- Certification Type TCe (Actuator and Lens)
 - INMETRO Certificate: BVC 10.0044-U
- Certification Type CVe (Contact Block and Pilot Light)
 - INMETRO Certificate: BVC 10.0047-U

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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NEC/CEC:

Class II, Division 2, Groups F, G
Class III
Type 4X/IP66 ①

ATEX/IECEX:

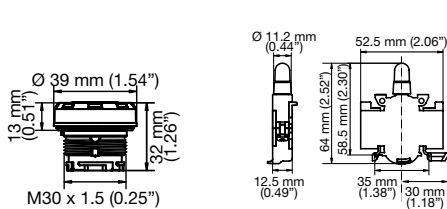
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10

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

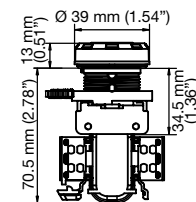
Appleton®

	Weight kg (lb)		Volume dm ³ (in ³)		Pack	Catalog Number	
	Rail Mounted	Panel Mounted	Rail Mounted	Panel Mounted		Rail Mounted	Panel Mounted
Spring Return Illuminated Push Button (contact block to be ordered separately) For legend plates, guards and blanking plugs see accessories page.							
Green	0.062 (0.137)	0.075 (0.165)	0.26 (15.87)	0.28 (17.09)	1	ULG0R	ULG0P
Red	0.062 (0.137)	0.075 (0.165)	0.26 (15.87)	0.28 (17.09)	1	ULR0R	ULR0P
White	0.062 (0.137)	0.075 (0.165)	0.26 (15.87)	0.28 (17.09)	1	ULW0R	ULW0P
Blue	0.062 (0.137)	0.075 (0.165)	0.26 (15.87)	0.28 (17.09)	1	ULB0R	ULB0P
Yellow	0.062 (0.137)	0.075 (0.165)	0.26 (15.87)	0.28 (17.09)	1	ULY0R	ULY0P
1-Pole Contact Blocks							
1 x NO						UCB5R	UCB5P
1 x NC	0.032 (0.071)		0.06 (3.66)		1	UCB9R	UCB9P
Spare Parts							
Rail to panel mounted conversion adaptor	0.02 (0.04)		0.08 (4.88)		1	—	UPMA
Marking	Color	Weight kg (lb)	Volume dm ³ (in ³)	Pack	Catalog Number		
Set of Five Spare Inserts							
(unmarked)	Green	0.01 (0.02)	0.01 (0.61)	1	UIAG		
(unmarked)	Red	0.01 (0.02)	0.01 (0.61)	1	UIAR		
(unmarked)	Yellow	0.01 (0.02)	0.01 (0.61)	1	UIAY		
(unmarked)	White	0.01 (0.02)	0.01 (0.61)	1	UIAW		
(unmarked)	Blue	0.01 (0.02)	0.01 (0.61)	1	UIAB		
(unmarked)	Black	0.01 (0.02)	0.01 (0.61)	1	UIAN		
ON	Green	0.01 (0.02)	0.01 (0.61)	1	UIA01		
OFF	Red	0.01 (0.02)	0.01 (0.61)	1	UIA02		
START	Green	0.01 (0.02)	0.01 (0.61)	1	UIA03		
STOP	Red	0.01 (0.02)	0.01 (0.61)	1	UIA04		
MARCHE	Green	0.01 (0.02)	0.01 (0.61)	1	UIA05		
ARRET	Red	0.01 (0.02)	0.01 (0.61)	1	UIA06		
I	Green	0.01 (0.02)	0.01 (0.61)	1	UIA07		
O	Red	0.01 (0.02)	0.01 (0.61)	1	UIA08		

Dimensions in Millimeters (Inches)



Rail Mounted Contacts



Panel Mounted Contacts

Wiring Diagram



① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used.