

Unicode™ 2 Series Rotary Actuators

Components for Increased Safety Enclosures

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

Appleton

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

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: thermosetting plastic
- 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

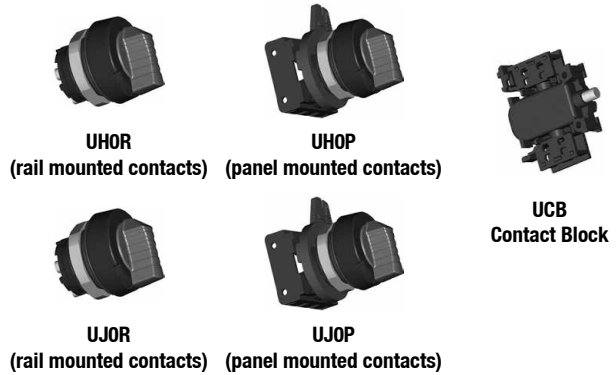
- Certification Type TCe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
 - Type of Protection: Ex e IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
 - Type of Protection: Ex tb IIIC Db
- Surface Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- CE Declaration of 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

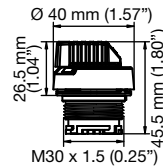
Other Certification ②

- INMETRO Certificate: BVC 11.0644-U

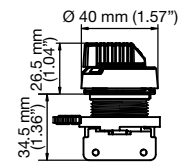


Dimensions in Millimeters (Inches)

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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NEC/CEC:
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 Class I, Zone 1, AEx de IIC
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 Class II, Division 2, Groups F, G
 Class III
 Type 4X/IP66 ①

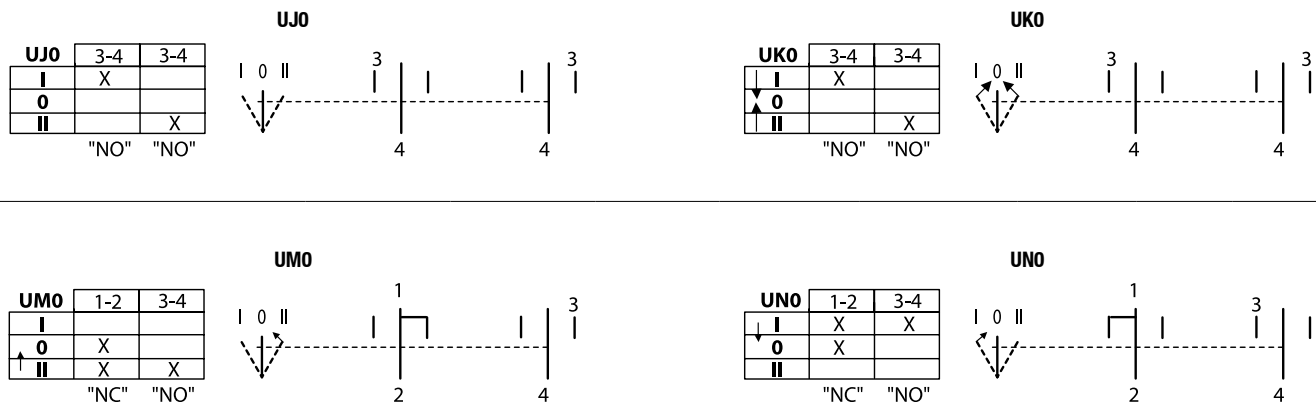
ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

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
2-Position Rotary Actuator (contact block to be ordered separately)							
<i>For legend plates, guards and blanking plugs see accessories page.</i>							
2-Positions Selector Switch (O-I), 2 maintained positions	0.038 (0.084)	0.051 (0.112)	0.09 (5.49)	0.22 (13.43)	1	UH0R	UH0P
3-Position Rotary Actuator (contact block to be ordered separately)							
<i>Legend plates, guards, blanking plugs (see Accessories page).</i>							
3-Position Selector Switch, I and II position maintained (I-O-II)	0.038 (0.084)	0.051 (0.112)	0.09 (5.49)	0.22 (13.43)	1	UJ0R	UJ0P
3-Position Selector Switch, I and II spring return to O (I->O<-II)	0.038 (0.084)	0.051 (0.112)	0.09 (5.49)	0.22 (13.43)	1	UK0R	UK0P
3-Position Selector Switch, I maintained, II spring return to O (I-O<-II)	0.038 (0.084)	0.051 (0.112)	0.09 (5.49)	0.22 (13.43)	1	UM0R	UM0P
3-Position Selector Switch, I spring return to O, II maintained (I->O-II)	0.038 (0.084)	0.051 (0.112)	0.09 (5.49)	0.22 (13.43)	1	UN0R	UN0P
1-Pole Contact Blocks							
1 x NO	0.032 (0.071)		0.06 (3.66)		1	UCB5R	UCB5P
1 x NC						UCB9R	UCB9P
Spare Parts							
Rail to panel mounted conversion adaptor	0.02 (0.04)		0.08 (4.88)		1	—	UPMA

Wiring Diagrams



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