

Unicode™ 2 Components | Push Buttons

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66
ATEX/IECEX: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Features

- Can be equipped with up to three Unicode 2 Series Contact Blocks (UCB) Series contact blocks.
- ATEX, IECEX, cCSAus 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 Listed: 025875

ATEX/IECEX Certifications and Compliances

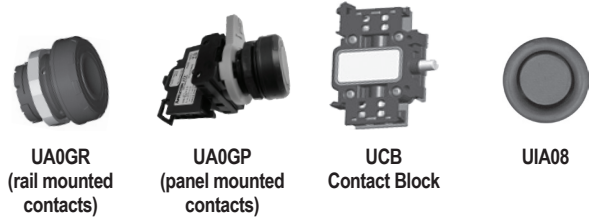
- Certification Type: TCe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 G
 - Type of Protection: Ex eb IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 D
 - Type of Protection: Ex tb IIIC Db
- Service Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- ATEX Certificate: LCIE 09 ATEX 3010U
- IECEX Certificate: IECEX LCI 09.0011U
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

UKEX Certifications

- UKEX Certificate: CML21UKEX3196U

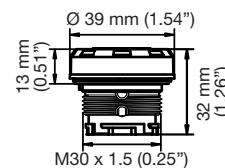
INMETRO Certifications

- INMETRO Certificate: BVC 10.0044-U

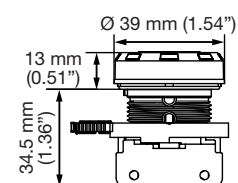


Dimensions in Millimeters (Inches)

Rail Mounted Contacts



Panel Mounted Contacts



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

Unicode™ 2 Components | Push Buttons
Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66
ATEX/IECEX: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

	Weight in kg (lbs)		Volume dm³ (in³)		Pack	Catalog Number	
	Rail Mounted	Panel Mounted	Rail Mounted	Panel Mounted		Rail Mounted	Panel Mounted
Spring Return - Push Button (contact block to be ordered separately) For legend plates, guards and blanking plugs see accessories pages.							
Red + Green	0.03 (0.06)	0.05 (0.11)	0.06 (3.66)	0.17 (10.37)	1	UA0RGR	UA0RGP
Green	0.03 (0.06)	0.05 (0.11)	0.06 (3.66)	0.17 (10.37)	1	UA0GR	UA0GP
Red	0.03 (0.06)	0.05 (0.11)	0.06 (3.66)	0.17 (10.37)	1	UA0RR	UA0RP
White	0.03 (0.06)	0.05 (0.11)	0.06 (3.66)	0.17 (10.37)	1	UA0WR	UA0WP
Blue	0.03 (0.06)	0.05 (0.11)	0.06 (3.66)	0.17 (10.37)	1	UA0BR	UA0BP
Yellow	0.03 (0.06)	0.05 (0.11)	0.06 (3.66)	0.17 (10.37)	1	UA0YR	UA0YP
Black	0.03 (0.06)	0.05 (0.11)	0.06 (3.66)	0.17 (10.37)	1	UA0NR	UA0NP
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

Marking	Color	Weight kg (lb)	Volume dm³ (in³)	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

Control Stations and Panels

Unicode™ 2 Components | Mushroom Push Buttons

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66
ATEX/IECEX: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Features

- Can be equipped with up to three Unicode 2 Series Contact Blocks (UCB) contact blocks.
- ATEX, IECEx and cCSAus 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 Listed: 025875

ATEX/IECEX Certifications and Compliances

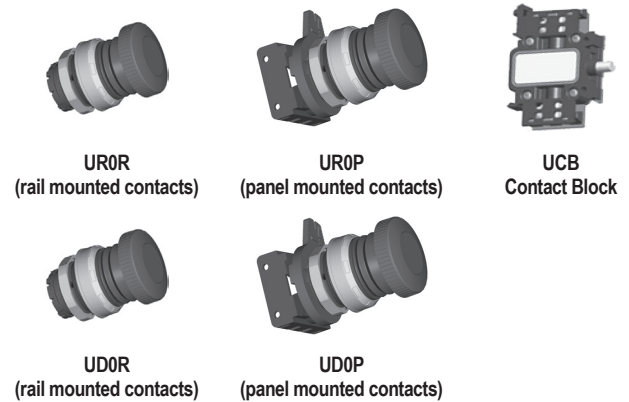
- Certification Type: TCe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 G
 - Type of Protection: Ex eb IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 D
 - Type of Protection: Ex tb IIIC Db
- Service Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- ATEX Certificate: LCIE 09 ATEX 3010U
- IECEx Certificate: IECEx LCI 09.0011U
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

UKEX Certifications

- UKEX Certificate: CML 21UKEX3196U

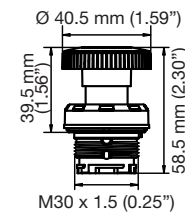
INMETRO Certifications

- INMETRO Certificate: BVC 10.0044-U

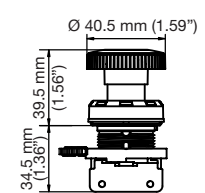


Dimensions in Millimeters (Inches)

Rail Mounted Contacts



Panel Mounted Contacts



Control Stations and Panels

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

Unicode™ 2 Components | Mushroom Push Buttons

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66
ATEX/IECEX: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

	Weight kg (lb)		Volume dm³ (in³)		Pack	Catalog Number	
	Rail Mounted	Panel Mounted	Rail Mounted	Panel Mounted		Rail Mounted	Panel Mounted
Spring Return Mushroom Head Push Button (contact block to be ordered separately) Legend plates, guards, blanking plugs (see Accessories page).							
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
Push-Pull Mushroom Head Push Button (contact block to be ordered separately) Legend plates, guards, blanking plugs (see Accessories page).							
Red Emergency Stop	0.045 (0.099)	0.06 (0.13)	0.12 (7.32)	0.26 (15.87)	1	UD0R	UD0P
1-Pole Contact Blocks							
1 x NO	0.032 (0.071)		0.06 (3.66)		1	UCB5R	UCB5P
1 x NC						UCB9R	UCB9P
Accessories							
Rail to panel mounted conversion adaptor	0.02 (0.04)		0.08 (4.88)		1		UPMA

Control Stations and Panels

Unicode™ 2 Components | Key Release Mushroom Push Buttons

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2 Groups A, B, C, D | Class I, Zones 1, Ex e d IIC Gb | Class I, Zones 1, AEx e d IIC Gb | Class II, Division 1, Groups E, F, G | Class II, Zones 21, Ex tb IIIC Db | Class II, Zones 21, AEx t IIIC Db | Class III, Division 1 | IP6X
ATEX/IECEx: Zones 1 and 2 – 21 and 22

Features

- Can be equipped with up to three Unicode 2 Series Contact Blocks (UCB) contact blocks.
- ATEX, IECEx and cCSAus Certified.
- Available in TS35 rail mounted or panel mounted.

Standard Materials

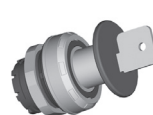
- Body: thermosetting plastic
- Seal: Ethylene-propylene-diene-monomer (M-class) rubber (EPDM)

NEC/CEC Certifications and Compliances

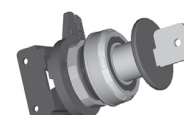
- Certification Type: AUX
 - Rated Ambient Temperature: -55 °C to +70 °C (-67 °F to +158 °F)
 - UL Standards: UL No. 61010-1 (2nd Edition), UL 60079-0 (5th Edition 2009), UL 60079-1 (6th Edition 2009), UL 60079-7 (Ed 4th 2008), UL 60079-31:2009
 - UL Certificate: E184198
 - CAN/CSA Standards: C22.2 No. 0-10, C22.2 No. 61010-1-04, C22.2 No. 213 (2nd Edition), C22.2 No. 60079-0:07, C22.2 No. 60079-1:07, No. 60079-7:03, No. 60079-31:12, E61241-1-1:02, C22.2 No. 60529:05 (R 2010)
 - CSA Certificate: 2661552
 - Other Standards: ANSI/ISA-12.12.01 (2013), ANSI/ISA-61241-0 (12.10.02)-2006 (R2011), ANSI/ISA-61241-1 (12.10.03)-2006 (R2011), ANSI/IEC 60529-2004

ATEX/IECEx Certifications and Compliances

- Certification Type: 05-0003-00
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
 - Type of Protection: Ex eb IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 D
 - Type of Protection: Ex tb IIIC Db
- Service Temperature: -55 °C to +70 °C (-67°F to +158 °F)
- ATEX Certificate: CML 13 ATEX 3010U
- IECEx Certificate: IECEx CML 14.0005U
- Index of Protection according EN/IEC 60529: IP66



UC0R
(rail mounted
contacts)



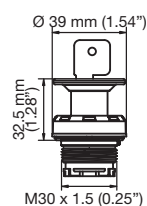
UC0P
(panel mounted
contacts)



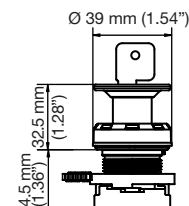
UCB
Contact Block

Dimensions in Millimeters (Inches)

Rail Mounted Contacts



Panel Mounted Contacts



Weight kg (lb)		Volume dm³ (in³)		Catalog Number			
Rail Mounted	Panel Mounted	Rail Mounted	Panel Mounted	Pack	Rail Mounted	Panel Mounted	
Key Release Mushroom Head Push Button (contact block to be ordered separately) For legend plates, guards and blanking plugs see accessories page.							
Red	0.085 (0.183)	0.096 (0.212)	0.09 (5.49)	0.25 (15.26)	1	UC0R	UC0P
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							
Spare key (type 4A 185)	—	—			SK4A185	SK4A185	
Rail to panel mounted conversion adaptor	0.02 (0.04)	0.08 (4.88)	1	—	UPMA		

Unicode™ 2 Components | Key Momentary Push Buttons

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2 Groups A, B, C, D | Class I, Zones 1, Ex e d IIC Gb | Class I, Zones 1, AEx e d IIC Gb | Class II, Division 1, Groups E, F, G | Class II, Zones 21, Ex tb IIIC Db |
Class II, Zones 21, AEx t IIIC Db | Class III, Division 1 | IP6X
ATEX/IECEx: Zones 1 and 2 – 21 and 22

Features

- Can be equipped with up to three Unicode 2 Series Contact Blocks (UCB) contact blocks.
- ATEX, IECEx and cCSAus Certified.
- Available in TS35 rail mounted or panel mounted.

Standard Materials

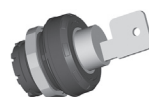
- Body: thermosetting plastic
- Seal: Ethylene-propylene-diene-monomer (M-class) rubber (EPDM)

NEC/CEC Certifications and Compliances

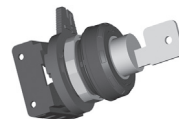
- Certification Type: AUX
 - Rated Ambient Temperature: -55 °C to +70 °C (-67 °F to +158 °F)
 - UL Standards: UL No. 61010-1 (2nd Edition), UL 60079-0 (5th Edition 2009), UL 60079-1 (6th Edition 2009), UL 60079-7 (Ed 4th 2008), UL 60079-31:2009
 - UL Certificate: E184198
 - CAN/CSA Standards: C22.2 No. 0-10, C22.2 No. 61010-1-04, C22.2 No 213 (2nd Edition), C22.2 No. 60079-0:07, C22.2 No. 60079-1:07, No. 60079-7:03, No. 60079-31:12, E61241-1-1:02, C22.2 No. 60529:05 (R 2010)
 - CSA Certificate: 2661552
 - Other Standards: ANSI/ISA-12.12.01 (2013), ANSI/ISA-61241-0 (12.10.02)-2006 (R2011), ANSI/ISA-61241-1 (12.10.03)-2006 (R2011), ANSI/IEC 60529-2004

ATEX/IECEx Certifications and Compliances

- Certification Type: 05-0003-00
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 G
 - Type of Protection: Ex eb IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 D
 - Type of Protection: Ex tb IIIC Db
- Service Temperature: -55 °C to +70 °C (-67°F to +158 °F)
- ATEX Certificate: CML 13 ATEX 3010U
- IECEx Certificate: IECEx CML 14.0005U
- Index of Protection according EN/IEC 60529: IP66



UE0R
(rail mounted contacts)



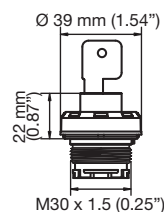
UE0P
(panel mounted contacts)



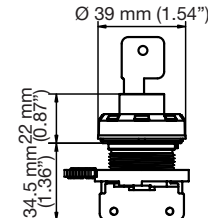
UCB
Contact Block

Dimensions in Millimeters (Inches)

Rail Mounted Contacts



Panel Mounted Contacts



	Weight kg (lb)		Volume dm ³ (in ³)		Pack	Catalog Number	
	Rail Mounted	Panel Mounted	Rail Mounted	Panel Mounted		Rail Mounted	Panel Mounted
Key Momentary Push Button (contact block to be ordered separately)							
For legend plates, guards and blanking plugs see accessories page.							
Key removable in both positions	0.080 (0.176)	0.093 (0.205)	0.08 (4.88)	0.20 (12.20)	1	UE0R	UE0P
Key removable in ON positions	0.080 (0.176)	0.093 (0.205)	0.08 (4.88)	0.20 (12.20)	1	UF0R	UF0P
Key removable in OFF positions	0.080 (0.176)	0.093 (0.205)	0.08 (4.88)	0.20 (12.20)	1	UG0R	UG0P
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							
Spare key (type 4A 185)	—		—			SK4A185	SK4A185
Rail to panel mounted conversion adaptor	0.02 (0.04)		0.08 (4.88)		1	—	UPMA

Unicode™ 2 Components | Rotary Actuators

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X/IP66
 ATEX/IECEx: Zones 1 and 2 – 21 and 22
 Notable: UKEX, INMETRO Certified

Features

- Can be equipped with up to three Unicode 2 Series Contact Blocks (UCB) contact blocks.
- Certified ATEX/IECEx.
- 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 Listed: 025875

ATEX/IECEx Certifications and Compliances

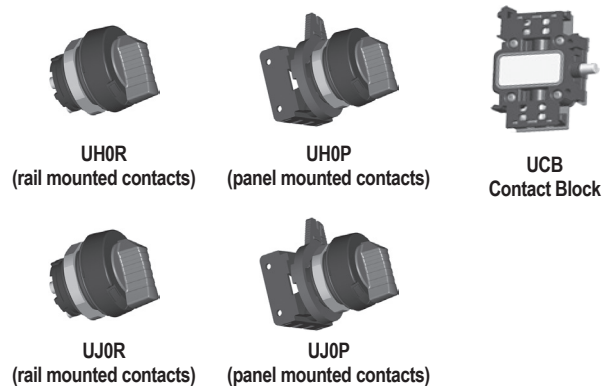
- Certification Type: TCe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU Ⓔ II 2 G
 - Type of Protection: Ex eb IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 D
 - Type of Protection: Ex tb IIIC Db
- Service Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- ATEX Certificate: LCIE 09 ATEX 3010U
- IECEx Certificate: IECEx LCI 09.0011U
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

UKEX Certifications

- UKEX Certificate: CML 21UKEX3196U

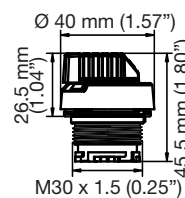
INMETRO Certifications

- INMETRO Certificate: BVC 10.0044-U

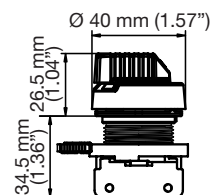


Dimensions in Millimeters (Inches)

Rail Mounted Contacts



Panel Mounted Contacts



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

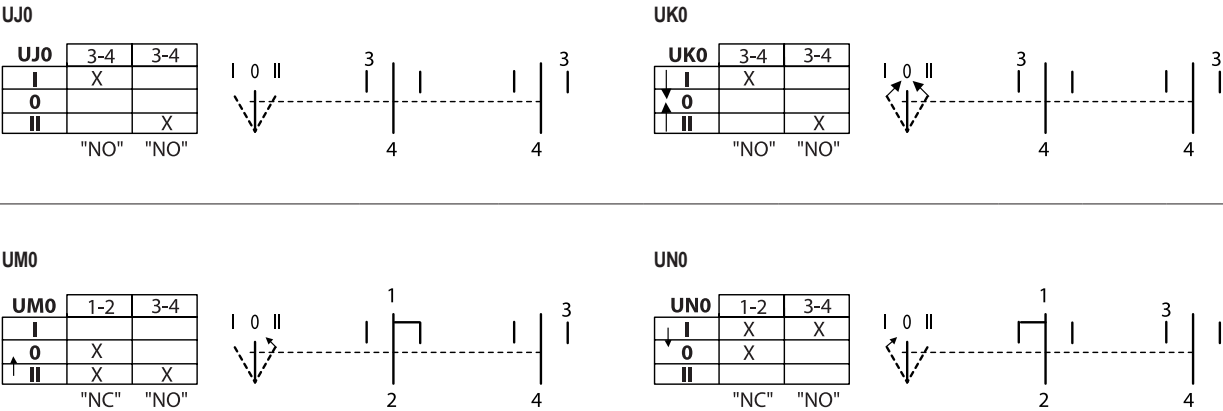
Unicode™ 2 Components | Rotary Actuators

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X/IP66
ATEX/IECEX: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

	Weight kg (lb)		Volume dm³ (in³)		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) For legend plates, guards and blanking plugs see accessories page.							
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) Legend plates, guards, blanking plugs (see Accessories page).							
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	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

Wiring Diagrams



Unicode™ 2 Components | Illuminated Push Buttons

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66
ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Features

- Can be equipped with up to two Unicode 2 Series Contact Blocks (UCB) contact blocks.
- ATEX, IECEx and cCSAus Certified.
- Available in TS35 rail mounted or panel mounted.
- High intensity single LED light.
- Rated operating voltage (Ue): 12 Vac to 264 Vac, 50/60 Hz and 12 Vdc to 60 Vdc.
- Terminal connection: 2.5 mm² (0.004 in²)

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 Listed: 025875

ATEX/IECEx Certifications and Compliances

- Certification Type: TCe (Actuator and Lens).
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 G
 - Type of Protection: Ex eb IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 D
 - Type of Protection: Ex tb IIIC Db
 - Service Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
 - 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: UCVe (Contact Block and Pilot Light)
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 G
 - Type of Protection: Ex db eb IIC Gb
 - Service Temperature: -55 °C to +90 °C (-67 °F to +194 °F)
 - ATEX Certificate: INERIS 20 ATEX 9002U
 - IECEx Certificate: IECEx INE 20.0013U

UKEX Certifications

- Certification Type: TCe (Actuator and Lens)
 - UKEX Certificate: : CML21UKEX3196U
- Certification Type: UCVe (Contact Block and Pilot Light)
 - UKEX Certificate: CML21UKEX1149U

INMETRO Certifications

- Certification Type: TCe (Actuator and Lens)
 - INMETRO Certificate: BVC 10.0044-U
- Certification Type: UCVe (Contact Block and Pilot Light)
 - INMETRO Certificate: BVC 20.3855-U



ULG0R
(rail mounted contacts)



ULG0P
(panel mounted contacts)



UCB
Contact Block



UIL08

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

Unicode™ 2 Components | Illuminated Push Buttons

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66
ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

	Weight kg (lb)		Volume dm³ (in³)		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	0.032 (0.071)		0.06 (3.66)		1	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
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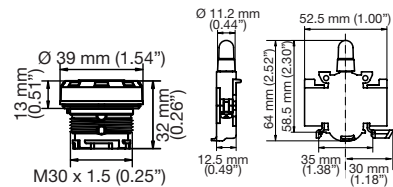
Marking	Color	Weight kg (lb)	Volume dm³ (in³)	Pack	Catalog Number
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Set of Five Spare Inserts

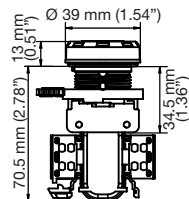
(unmarked)	Green	0.01 (0.02)	0.01 (0.61)	1	UIAG
(unmarked)	Red	0.01 (0.02)	0.01 (0.61)	1	UIAR
(unmarked)	Yellow	0.01 (0.02)	0.01 (0.61)	1	UIAY
(unmarked)	White	0.01 (0.02)	0.01 (0.61)	1	UIAW
(unmarked)	Blue	0.01 (0.02)	0.01 (0.61)	1	UIAB
(unmarked)	Black	0.01 (0.02)	0.01 (0.61)	1	UIAN
ON	Green	0.01 (0.02)	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)

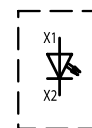
Rail Mounted Contacts



Panel Mounted Contacts



Wiring Diagram



Unicode™ 2 Components | Pilot Lights

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66
ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Features

- ATEX, IECEx and cCSAus Certified.
- Available in TS35 rail mounted or panel mounted.
- High intensity single LED light.
- Rated operating voltage (Ue): 12 Vac to 264 Vac, 50/60 Hz and 12 Vdc to 60 Vdc.
- Terminal connection: 2.5 mm² (0.004 in²)

Standard Materials

- Body: polyamide
- Lens: polycarbonate
- Seal: Ethylene-propylene-diene-monomer (M-class) rubber (EPDM)

NEC/CEC Certifications and Compliances

- Actuator and Lens: 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 Listed: 025875

ATEX/IECEx Certifications and Compliances

- Certification Type: TCe (Actuator and Lens)
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 G
 - Type of Protection: Ex eb IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓔ II2 D
 - Type of Protection: Ex tb IIIC Db
 - Service Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
 - 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: UCVe (Contact Block and Pilot Light)
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 G
 - Type of Protection: Ex db eb IIC Gb
 - Service Temperature: -55 °C to +90 °C (-67 °F to +194 °F)
 - ATEX Certificate: INERIS 20 ATEX 9002U
 - IECEx Certificate: IECEx INE 20.0013U

UKEX Certifications

- Certification Type: TCe (Actuator and Lens)
 - UKEX Certificate : CML 21UKEX3196U
- Certification Type: UCVe (Contact Block and Pilot Light)
 - UKEX Certificate : CML 21UKEX1149U

INMETRO Certifications

- Certification Type: TCe (Actuator and Lens)
 - INMETRO Certificate: BVC 10.0044-U
- Certification Type: UCVe (Contact Block and Pilot Light)
 - INMETRO Certificate: BVC20.3855-U



UPG0R (rail mounted contacts)



UPG0P (panel mounted contacts)

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

Unicode™ 2 Components | Pilot Lights

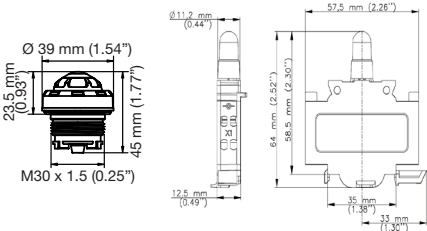
Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66
ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

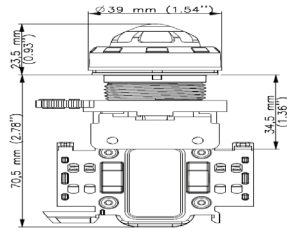
	Weight kg (lb)		Volume dm³ (in³)		Pack	Catalog Number	
	Rail Mounted	Panel Mounted	Rail Mounted	Panel Mounted		Rail Mounted	Panel Mounted
Pilot Light: 12 Vac to 254, Vac 50/60 Hz, 12 Vdc to 60 Vdc. For legend plates, guards and blanking plugs see accessories page.							
Green	0.056 (0.123)	0.069 (0.152)	0.29 (17.70)	0.31 (18.92)	1	UPG0R	UPG0P
Red	0.056 (0.123)	0.069 (0.152)	0.29 (17.70)	0.31 (18.92)	1	UPR0R	UPR0P
White	0.056 (0.123)	0.069 (0.152)	0.29 (17.70)	0.31 (18.92)	1	UPW0R	UPW0P
Blue	0.056 (0.123)	0.069 (0.152)	0.29 (17.70)	0.31 (18.92)	1	UPB0R	UPB0P
Yellow	0.056 (0.123)	0.069 (0.152)	0.29 (17.70)	0.31 (18.92)	1	UPY0R	UPY0P
Spare Parts							
Rail to panel mounted conversion adaptor	0.02 (0.04)		0.08 (4.88)		1	—	UPMA
Spare Lenses							
Green	0.03 (0.06)		0.06 (3.66)		1	UPGL	UPGL
Red	0.03 (0.06)		0.06 (3.66)		1	UPRL	UPRL
White	0.03 (0.06)		0.06 (3.66)		1	UPWL	UPWL
Blue	0.03 (0.06)		0.06 (3.66)		1	UPBL	UPBL
Yellow	0.03 (0.06)		0.06 (3.66)		1	UPYL	UPYL

Dimensions in Millimeters (Inches)

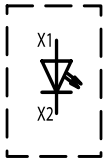
Rail Mounted Contacts



Panel Mounted Contacts



Wiring Diagram



Unicode™ 2 Components | 1-Pole Contact Block

Components for Increased Safety Enclosures

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class I, Zones 1, AEx de IIC | Class I, Zone1, AEx e IIC | Class II, Division 2, Groups F, G | Class III | Type 4X | IP66

ATEX/IECEx: Zones 1 and 2 – 21 and 22

Notable: UKEX, INMETRO Certified

Features

- ATEX, IECEx and cCSAus Certified.
- Available in TS35 rail mounted or panel mounted.
- High performance contact block suitable for low intensity
- Rated operating voltage (Ue): 500 Vac — 110 Vdc.
- Switching capacity:
 - AC12: 16 Amp/400 Vac
 - AC14: 10 Amp/400 Vac
 - AC15: 6 Amp/500 Vac
 - DC13: 2 Amp/24 Vdc and 1 Amp/110 Vdc
- Terminal connection: 2.5 mm² (0.004 in²)

Standard Materials

- Body: polyamide
- Contact: silver alloy

NEC/CEC Certifications and Compliances

- Certification Type: CVe
 - Operating Temperature: -40 °C to +75 °C (-40 °F to +167 °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 Listed: 025875

ATEX/IECEx Certifications and Compliances

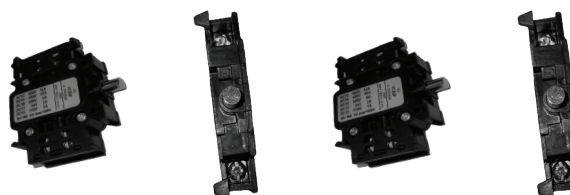
- Certification Type: UCVe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
 - Type of Protection: Ex db eb IIC Gb
 - Service Temperature: -55 °C to +110 °C (-67 °F to +230 °F)
 - ATEX Certificate: INERIS 20 ATEX 9002U
 - IECEx Certificate: IECEx INE 20.0013U

UKEX Certifications

- UKEX Certificate : CML 21UKEX1149U

INMETRO Certifications

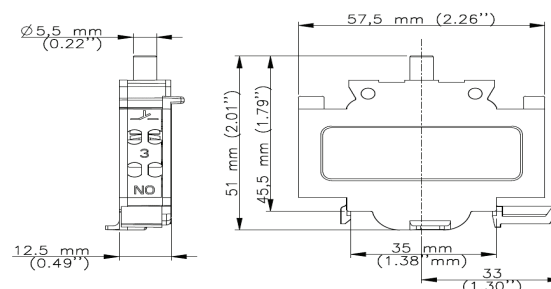
- INMETRO Certificate : BVC20.3855-U



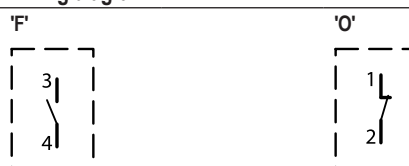
UCB5R
Rail Mounted Contacts
Top Access

UCB5P
Panel Mounted Contacts
Bottom Access

Dimensions and millimeters (inches)



Wiring diagram



Control Stations and Panels

	Weight kg (lb)	Volume dm³ (in³)	Pack	Catalog number	
				Rail mounted	Panel mounted
1 Pole Contact Blocks					
1 x "NO"	0.032 (0.071)	0.06 (3.66)	1	UCB5R	UCB5P
1 x "NC"	0.032 (0.071)	0.06 (3.66)	1	UCB9R	UCB9P

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

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Features

- 2, 3, 4, 6 or 8-pole switches:
 - Available in TS35 rail mounted or panel mounted.
 - Padlockable
 - Can be equipped with switch and changeover switch contact blocks
- Switching capacity:
 - AC 1, 16 Amp, 690 Vac
 - AC 3, 8 Amp, 500 Vac
 - AC 3, 4 Amp, 690 Vac
 - AC 15, 16 Amp, 415 Vac
 - DC 1, 10 Amp, 24 Vdc
 - DC 1, 6 Amp, 60 Vdc
 - DC 1: 6 Amp/110 Vdc (2 contacts wired in series)
 - DC 1: 6 Amp/220 Vdc (3 contacts in series)
- Terminal connection: 1.5 mm² - 2.5 mm² (0.002 in² - 0.004 in²) (stranded), 1.5 mm² - 4 mm² (0.002 in² - 0.006 in²) (solid)

Standard Materials

- Body: polyamide
- Contact: silver

ATEX/IECEx Certifications and Compliances ①

- Certification Type: USW16 (Switches)
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
 - Type of Protection: Ex db eb IIC Gb
 - Service Temperature: -55 °C to +90 °C (-67°F to +194 °F)
 - ATEX Certificate: Ex Veritas 21 ATEX 0754U
 - IECEx Certificate: IECEx EXV 21.0003U
- Certification Type: AUXe (Handles)
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
 - Type of Protection: Ex eb IIC Gb
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 D
 - Type of Protection: Ex tb IIIC Db
 - Ambient Temperature:
 - -40 °C to +55 °C (-40°F to +131 °F)
 - ATEX Certificate: LCIE 03 ATEX 0012U
 - IECEx Certificate: IECEx LCIE 16.0050U
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

UKEX Certifications

- Certified type: USW16
 - UKEX Certificate : ExVeritas 22UKEX1165U
- Certified type : AUXe (handles)
 - UKEX Certificate: CML 21UKEX3184U

INMETRO Certifications

- Certified type: USW16
 - INMETRO Certificate: BVC22.4133-U
- Certified type : AUXe (handles)
 - INMETRO Certificate: BVC17.5702-U



US30R
(rail mounted switch)



US30P
(panel mounted switch)



USH
(switch handle)

① These products are certified only when used as components in factory assembled panels.

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

	Diagram Number	Wiring Diagram	Catalog Number Rail	Panel
Two Pole Selector Switches (handle to be ordered separately)				
2 position 2-pole selector switch	002		US16220002R (former US32R)	US16220002P (former US32P)
2 position 2-pole selector switch	016		US16220016R (former US32R)	US16220016P (former US30P)
3 position 2-pole selector switch	027		US16230027R (former US31R)	US16230027P (former US31P)
3 position 2-pole selector switch with spring return from 135° to 90°	038		US16230038R (former US33R)	US16230038P (former US33P)
3 position 2-pole selector switch with spring return from 45° to 90°	048		US16230048R (former US34R)	US16230048P (former US34P)
Three or Four Pole Selector Switches (handle to be ordered separately)				
2 position 4-pole selector switch	102		US16420102R (former US35R)	US16420102P (former US35P)
3 position 4-pole selector switch	119		US16430119R (former US36R)	US16430119P (former US36P)
2 position 4-pole selector switch	106		US16420106R (former US37R)	US16420106P (former US37P)
3 position 3-pole — Late break, early make selector switch with spring return from 45° to 90°	138		US16330138R (former US38R)	US16330138P (former US38P)
Padlockable lever handle for all selector switches			USH	

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

Wiring Diagram	Catalog Number	Wiring Diagram	Catalog Number
1-pole 2 positions			
	US16120056_		US16120061_
2-pole 2 positions			
	US16220002_		US16220015_
	US16220003_		US16220016_
	US16220004_		US16220017_
	US16220005_		US16220018_
	US16220007_		US16220019_
	US16220008_		US16220020_
	US16220009_		US16220021_
	US16220010_		US16220043_
	US16220011_		US16220045_
	US16220012_		US16220053_
	US16220013_		US16220073_
	US16220014_		US16220074_
2-pole 3 positions			
	US16230022_		US16230025_
	US16230023_		US16230026_
	US16230024_		US16230027_

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

Wiring Diagram	Catalog Number	Wiring Diagram	Catalog Number
2-pole 3 positions			
	US16230028_		US16230050_
	US16230029_		US16230051_
	US16230030_		US16230052_
	US16230031_		US16230054_
	US16230032_		US16230055_
	US16230038_		US16230059_
	US16230039_		US16230068_
	US16230040_		US16230070_
	US16230041_		US16230071_
	US16230042_		US16230072_
	US16230046_		US16230075_
	US16230047_		US16230076_
	US16230048_		US16230087_
	US16230049_		US16239002_

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
 Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

Wiring Diagram	Catalog Number	Wiring Diagram	Catalog Number
2-pole 4 positions			
	US16240044_		US16240062_
	US16240057_		US16240065_
	US16240058_		US16240084_
2-pole 8 positions			
	US16280036_	—	—
3-pole 2 positions			
	US16320122_		US16321153_
3-pole 3 positions			
	US16330136_		US16331112_
	US16330138_		US16331120_
	US16330144_		US16331142_
	US16330145_		US16331155_
	US16330161_		US16331171_
	US16330167_		US16331202_
	US16330199_		US16331209_
	US16331109_		US16331210_

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

Wiring Diagram	Catalog Number	Wiring Diagram	Catalog Number
3-pole 3 positions			
	US16331230_	—	—
3-pole 4 positions			
	US16340146_		US16340183_
	US16340168_		US16341119_
	US16340178_		US16341145_
	US16340181_		US16341151_
4-pole 2 positions			
	US16420102_		US16420137_
	US16420103_		US16420152_
	US16420104_		US16420154_
	US16420105_		US16420173_
	US16420106_		US16421105_
	US16420107_		US16421122_
	US16420116_		US16421147_
	US16420134_		US16421162_
	US16420135_		US16421234_
4-pole 3 positions			
	US16430111_		US16430113_
	US16430112_		US16430114_

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
 Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

Wiring Diagram	Catalog Number	Wiring Diagram	Catalog Number
4-pole 3 positions			
	US16430118_		US16430169_
	US16430119_		US16430170_
	US16430120_		US16430175_
	US16430121_		US16430176_
	US16430127_		US16430180_
	US16430129_		US16431103_
	US16430131_		US16431104_
	US16430132_		US16431106_
	US16430133_		US16431108_
	US16430139_		US16431111_
	US16430140_		US16431113_
	US16430153_		US16431116_
	US16430157_		US16431125_
	US16430158_		US16431129_
	US16430159_		US16431134_
	US16430160_		US16431138_
	US16430162_		US16431159_

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

Wiring Diagram	Catalog Number	Wiring Diagram	Catalog Number
4-pole 3 positions			
	US16431165_		US16431206_
	US16431166_		US16431208_
	US16431167_		US16431213_
	US16431172_		US16431215_
	US16431173_		US16431217_
	US16431174_		US16431220_
	US16431176_		US16431222_
	US16431178_		US16431225_
	US16431179_		US16431226_
	US16431201_		US16431232_
	US16431203_		US16439001_
4-pole 4 positions			
	US16440110_		US16440147_
	US16440123_		US16440148_
	US16440130_		US16440150_
	US16440143_		US16440151_

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22

Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

Wiring Diagram	Catalog Number	Wiring Diagram	Catalog Number
4-pole 4 positions			
	US16440155_		US16441128_
	US16440156_		US16441132_
	US16440164_		US16441133_
	US16440171_		US16441136_
	US16440198_		US16441139_
	US16440608_		US16441143_
	US16440611_		US16441144_
	US16440614_		US16441146_
	US16441102_		US16441154_
	US16441114_		US16441156_
	US16441115_		US16441163_
	US16441124_		US16441164_
	US16441127_		US16441168_

Unicode™ 2 Components | 16 Amp Switches

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

Standalone Switches — Add P for Panel Mounted or R for Rail Mounted; example: US1622-0002R

Wiring Diagram	Catalog Number	Wiring Diagram	Catalog Number
4-pole 4 positions			
	US16441169_		US16441211_
	US16441180_		US16441212_
	US16441204_		US16441219_
	US16441205_		US16441224_
	US16441207_		US16441229_
4-pole 5 positions			
	US16451110_		US16451235_

Unicode™ 2 Components | 16 Amp Switches

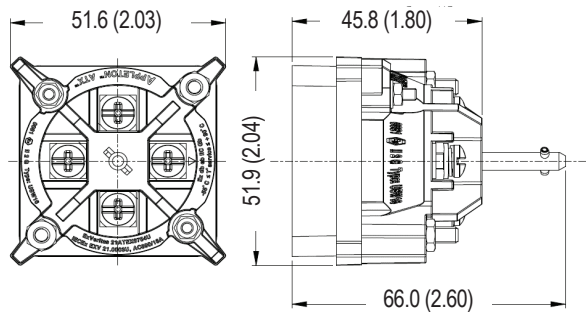
Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22
 Notable: UKEX, INMETRO Certified

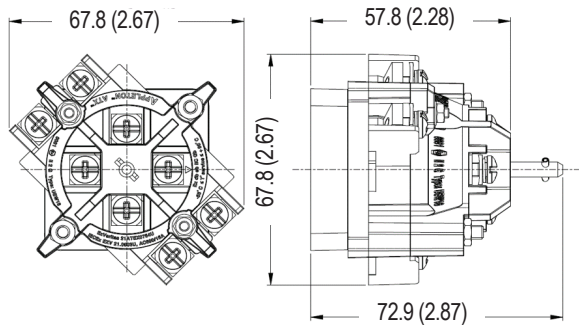
Dimensions in Millimeters (Inches)

16 Amp Switches

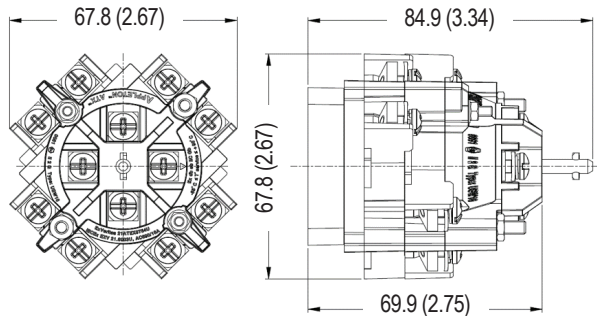
2-pole



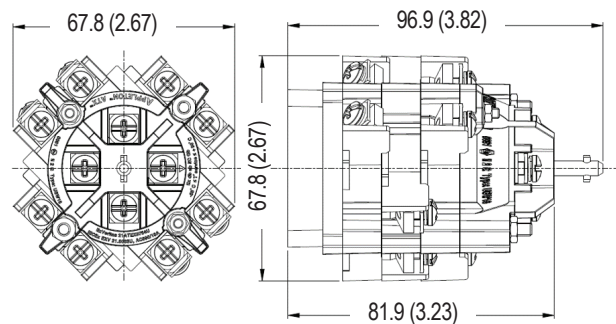
3- and 4-pole



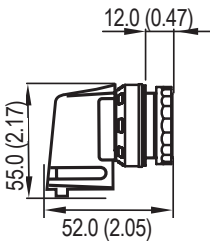
6-pole



8-pole



USH Handle



Control Stations and Panels

Unicode™ 2 Components | Accessories

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22

Nameplates — Set of 10

Blank self-adhesive, laminated plastic 58 mm x 18 mm (2.29" x 0.71").

Color	Catalog Number
White (black letters)	UNPW
Yellow (black letters)	UNPY
Red (white letters)	UNPR
Blue (white letters)	UNPB
Black (white letters)	UNPN
Green (white letters)	UNPG

Inserts for Push Button — Set of 5

Marking	Color	Catalog Number
(unmarked)	Green	UIAG
(unmarked)	Red	UIAR
(unmarked)	Yellow	UIAY
(unmarked)	White	UIAW
(unmarked)	Blue	UIAB
(unmarked)	Black	UIAN
ON	Green	UIA01
OFF	Red	UIA02
START	Green	UIA03
STOP	Red	UIA04
MARCHE	Green	UIA05
ARRET	Red	UIA06
I	Green	UIA07
O	Red	UIA08

Inserts for Illuminated Push Button — Set of 5

Marking	Color	Catalog Number
(unmarked)	Green	UILG
(unmarked)	Red	UILR
(unmarked)	Yellow	UILY
(unmarked)	White	UILW
(unmarked)	Blue	UILB
ON	Green	UIL01
OFF	Red	UIL02
START	Green	UIL03
STOP	Red	UIL04
MARCHE	Green	UIL05
ARRET	Red	UIL06
I	Green	UIL07
O	Red	UIL08

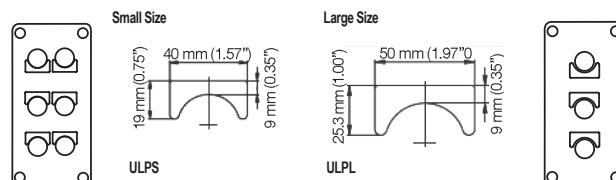
Spare Key

For all key-operated buttons.

Description	Catalog Number
Spare key type 4 A 185	SK4A185

Standard Legend Plates

Two sizes available. Self-adhesive yellow laminated plastic (black lettering).

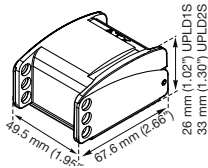


Text	Catalog Number	
	Small	Large
Blank (set of 10)	ULPS	ULPL
ON	ULPSA01	ULPLA01
OFF	ULPSA02	ULPLA02
FORWARD	ULPSA03	ULPLA03
REVERSE	ULPSA04	ULPLA04
JOG	ULPSA05	ULPLA05
RUN	ULPSA06	ULPLA06
START	ULPSA07	ULPLA07
STOP	ULPSA08	ULPLA08
UP	ULPSA09	ULPLA09
DOWN	ULPSA10	ULPLA10
FAST	ULPSA11	ULPLA11
SLOW	ULPSA12	ULPLA12
RAISE	ULPSA13	ULPLA13
LOWER	ULPSA14	ULPLA14
OPEN	ULPSA15	ULPLA15
CLOSE	ULPSA16	ULPLA16
LOW	ULPSA17	ULPLA17
HIGH	ULPSA18	ULPLA18
TEST	ULPSA19	ULPLA19
RESET	ULPSA20	ULPLA20
EMERGENCY STOP	ULPSA21	ULPLA21
MARCHE	ULPSA22	ULPLA22
ARRET	ULPSA23	ULPLA23
ARRET D'URGENCE	ULPSA24	ULPLA24
HAUT	ULPSA25	ULPLA25
BAS	ULPSA26	ULPLA26
O - I	ULPSH01	ULPLH01
ON - OFF	ULPSH02	ULPLH02
START - STOP	ULPSH03	ULPLH03
STOP - START	ULPSH04	ULPLH04
HAND - AUTO	ULPSH05	ULPLH05
MANU - AUTO	ULPSH06	ULPLH06
FORWARD - REVERSE	ULPSH07	ULPLH07
REMOTE - LOCAL	ULPSH08	ULPLH08
MARCHE - ARRET	ULPSH09	ULPLH09
I - O - II	ULPSJ01	ULPLJ01
OFF - O - ON	ULPSJ02	ULPLJ02
START - NORMAL - STOP	ULPSJ03	ULPLJ03
HAND - OFF - AUTO	ULPSJ04	ULPLJ04
MANU - O - AUTO	ULPSJ05	ULPLJ05
FORWARD - OFF - REVERSE	ULPSJ06	ULPLJ06
LOCAL - REMOTE - AUTO	ULPSJ07	ULPLJ07
LOCAL - O - REMOTE	ULPSJ08	ULPLJ08
MARCHE - NORMAL - ARRET	ULPSJ09	ULPLJ09

Unicode™ 2 Components | Accessories

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2 – 21 and 22

	Description	Catalog Number
	Yellow Guard Mushroom head protection for emergency stop	098657
	Padlockable Guard Stainless steel and plastic cover, capacity: 3 padlocks, 6 mm (0.24") maximum diameter (not supplied) For push button and rotary actuator	  UPLD1S
	For mushroom head actuator	 UPLD2S
	Cover Blanking Plug For cover drilling — 30.5 mm (1.2") diameter	UBP
	Device Adaptor Rail to panel mounted conversion adaptor	UPMA

Unicode™ 2 Series Accessoires: Ammeters

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2
Notable: UKEX, INMETRO Certified

Applications

- Suitable for use with certified Ex e enclosures for control equipment in industrial processes.

Features

- Panel mounted version with metal support 48x48mm
- DIN rail mounted (TS35) and panel mounted version 72x72mm

Technical Data

- Rated Voltage: 300 V for 48x48mm and 72x72 mm
- Frequency: 45 to 65 at 400 Hz
- Consumption: 0.4 VA for 1A and 0.6VA for 5A
- Permanent overload: 1.2 In to 1.6
- Instantaneous overload: 10 In/5s
- Terminal connections: M4 for size 48x48; M5 for size 72x72
- Direct connections: up to 2,5mm²
- Connections by lugs : up to 4mm²

ATEX/IECEx Certifications and Compliances

- Certification Type: U2AE
- Gas: Zone 1 and 2
- Conforming to ATEX 2014/34/EU:  II 2 G
- Type of Protection: Ex eb IIC Gb
- Service Temperature: -25°C to +80°C (-13°F to + 176°F)
- ATEX Certificate: LCIE 13 ATEX 3074U
- IECEx Certificate: IECEx LCIE 13.0059U



AC Ammeter

Certification UKEX

— UKEX Certificate: CML 21UKEX3198U

Certification INMETRO

— INMETRO Certificate: BVC22.4128-U

AC Ammeter — 48 mm x 48 mm (1.89" x 1.89")

Connection on current transformer — Deflection 90° — Red adjustable index — Accuracy class 1.5 — Square barrel

Description		Weight kg (lb)	Volume dm³ (in³)	Catalog Number
Rail Mounted				
1A C.T. 2 x F.L.C.	with 0-1-2 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C1F2JR
1A C.T. 3 x F.L.C.	with 0-1-3 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C1F3JR
1A C.T. 5 x F.L.C.	with 0-1-5 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C1F5JR
1A C.T. 6 x F.L.C.	with 0-1-6 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C1F6JR
5A C.T. 2 x F.L.C.	with 0-5-10 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C5F2JR
5A C.T. 3 x F.L.C.	with 0-5-15 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C5F3JR
5A C.T. 5 x F.L.C.	with 0-5-25 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C5F5JR
5A C.T. 6 x F.L.C.	with 0-5-30 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C5F6JR
Panel Mounted				
1A C.T. 2 x F.L.C.	with 0-1-2 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C1F2JP
1A C.T. 3 x F.L.C.	with 0-1-3 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C1F3JP
1A C.T. 5 x F.L.C.	with 0-1-5 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C1F5JP
1A C.T. 6 x F.L.C.	with 0-1-6 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C1F6JP
5A C.T. 2 x F.L.C.	with 0-5-10 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C5F2JP
5A C.T. 3 x F.L.C.	with 0-5-15 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C5F3JP
5A C.T. 5 x F.L.C.	with 0-5-25 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C5F5JP
5A C.T. 6 x F.L.C.	with 0-5-30 Scale	0.1 (0.22)	0.3 (18.3)	U2AE48C5F6JP
Window for Ammeter 48 mm x 48 mm (1.89" x 1.89")		0.1 (0.22)	0.4 (24.4)	CA48W

Unicode™ 2 Series Accessoires: Ammeters

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2
Notable: UKEX, INMETRO Certified

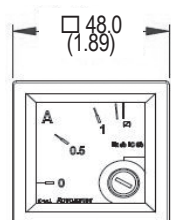
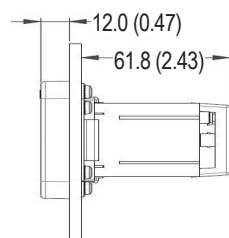
AC Ammeter — 72 mm x 72 mm (2.83" x 2.83")

Connection on current transformer — Deflection 90° — Red adjustable index — Accuracy class 1.5 — Square barrel

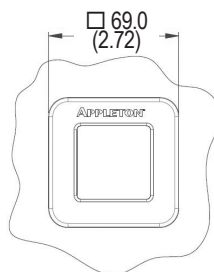
Description		Weight kg (lb)	Volume dm³ (in³)	Catalog Number
Rail Mounted				
1A C.T. 2 x F.L.C.	with 0-1-2 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C1F2JR
1A C.T. 3 x F.L.C.	with 0-1-3 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C1F3JR
1A C.T. 5 x F.L.C.	with 0-1-5 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C1F5JR
1A C.T. 6 x F.L.C.	with 0-1-6 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C1F6JR
5A C.T. 2 x F.L.C.	with 0-5-10 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C5F2JR
5A C.T. 3 x F.L.C.	with 0-5-15 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C5F3JR
5A C.T. 5 x F.L.C.	with 0-5-25 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C5F5JR
5A C.T. 6 x F.L.C.	with 0-5-30 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C5F6JR
Panel Mounted				
1A C.T. 2 x F.L.C.	with 0-1-2 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C1F2JP
1A C.T. 3 x F.L.C.	with 0-1-3 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C1F3JP
1A C.T. 5 x F.L.C.	with 0-1-5 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C1F5JP
1A C.T. 6 x F.L.C.	with 0-1-6 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C1F6JP
5A C.T. 2 x F.L.C.	with 0-5-10 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C5F2JP
5A C.T. 3 x F.L.C.	with 0-5-15 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C5F3JP
5A C.T. 5 x F.L.C.	with 0-5-25 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C5F5JP
5A C.T. 6 x F.L.C.	with 0-5-30 Scale	0.2 (0.44)	0.6 (36.6)	U2AE72C5F6JP
Window for Ammeter 72 mm x 72 mm (2.83" x 2.83")		0.2 (0.44)	0.6 (36.6)	CA72W

Dimensions in Millimeters (Inches)

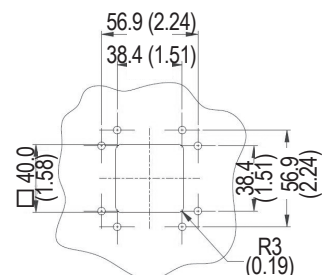
ATEX/IECEx Ammeter 48 mm x 48 mm (1.89" x 1.89")



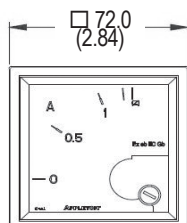
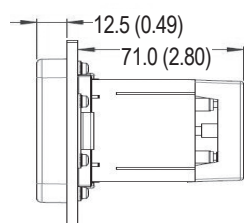
Window for Ammeter



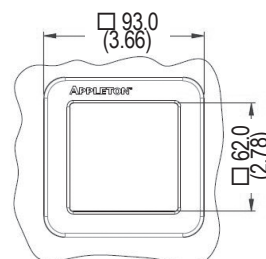
Drilling Information



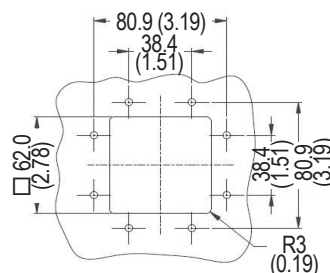
AC Ammeter — 72 mm x 72 mm (2.83" x 2.83")



Window for Ammeter



Drilling Information



Unicode™ 2 Series Accessoires: Ammeters

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2
Notable: UKEX, INMETRO Certified

Interchangeable Dials for Ammeters ATEX/IECEx Ammeter 48 mm x 48 mm (1.89" x 1.89") ①

Scale	Catalog Number	Scale	Catalog Number	Scale	Catalog Number
Current Transformer 1 A, 2 x In		Current transformer 1 A, 6 x In		Current transformer 5 A, 5 x In	
0 - 5 - 10 A	18442Q51-101	0 - 5 - 30 A	18442Q54-101	0 - 5 - 25 A	18442Q53-501
0 - 10 - 20 A	18442Q51-102	0 - 10 - 60 A	18442Q54-102	0 - 10 - 50 A	18442Q53-502
0 - 15 - 30 A	18442Q51-103	0 - 15 - 90 A	18442Q54-103	0 - 15 - 75 A	18442Q53-503
0 - 20 - 40 A	18442Q51-104	0 - 20 - 120 A	18442Q54-104	0 - 20 - 100 A	18442Q53-504
0 - 25 - 50 A	18442Q51-105	0 - 25 - 150 A	18442Q54-105	0 - 25 - 125 A	18442Q53-505
0 - 30 - 60 A	18442Q51-106	0 - 30 - 180 A	18442Q54-106	0 - 30 - 150 A	18442Q53-506
0 - 40 - 80 A	18442Q51-107	0 - 40 - 240 A	18442Q54-107	0 - 40 - 200 A	18442Q53-507
0 - 50 - 100 A	18442Q51-108	0 - 50 - 300 A	18442Q54-108	0 - 50 - 250 A	18442Q53-508
0 - 60 - 120 A	18442Q51-109	0 - 60 - 360 A	18442Q54-109	0 - 60 - 300 A	18442Q53-509
0 - 75 - 150 A	18442Q51-110	0 - 75 - 450 A	18442Q54-110	0 - 75 - 375 A	18442Q53-510
0 - 100 - 200 A	18442Q51-111	0 - 100 - 600 A	18442Q54-111	0 - 100 - 500 A	18442Q53-511
0 - 125 - 250 A	18442Q51-112	0 - 125 - 750 A	18442Q54-112	0 - 125 - 625 A	18442Q53-512
0 - 150 - 300 A	18442Q51-113	0 - 150 - 900 A	18442Q54-113	0 - 150 - 750 A	18442Q53-513
0 - 200 - 400 A	18442Q51-114	0 - 200 - 1200 A	18442Q54-114	0 - 200 - 1000 A	18442Q53-514
0 - 250 - 500 A	18442Q51-115	0 - 250 - 1500 A	18442Q54-115	0 - 250 - 1250 A	18442Q53-515
Current Transformer 1 A, 3 x In		Current transformer 5 A, 2 x In		Current transformer 5 A, 6 x In	
0 - 5 - 15 A	18442Q52-101	0 - 5 - 10 A	18442Q52-501	0 - 5 - 30 A	18442Q54-501
0 - 10 - 30 A	18442Q52-102	0 - 10 - 20 A	18442Q52-502	0 - 10 - 60 A	18442Q54-502
0 - 15 - 45 A	18442Q52-103	0 - 15 - 30 A	18442Q52-503	0 - 15 - 90 A	18442Q54-503
0 - 20 - 60 A	18442Q52-104	0 - 20 - 40 A	18442Q52-504	0 - 20 - 120 A	18442Q54-504
0 - 25 - 75 A	18442Q52-105	0 - 25 - 50 A	18442Q52-505	0 - 25 - 150 A	18442Q54-505
0 - 30 - 90 A	18442Q52-106	0 - 30 - 60 A	18442Q52-506	0 - 30 - 180 A	18442Q54-506
0 - 40 - 120 A	18442Q52-107	0 - 40 - 80 A	18442Q52-507	0 - 40 - 240 A	18442Q54-507
0 - 50 - 150 A	18442Q52-108	0 - 50 - 100 A	18442Q52-508	0 - 50 - 300 A	18442Q54-508
0 - 60 - 180 A	18442Q52-109	0 - 60 - 120 A	18442Q52-509	0 - 60 - 360 A	18442Q54-509
0 - 75 - 225 A	18442Q52-110	0 - 75 - 150 A	18442Q52-510	0 - 75 - 450 A	18442Q54-510
0 - 100 - 300 A	18442Q52-111	0 - 100 - 200 A	18442Q52-511	0 - 100 - 600 A	18442Q54-511
0 - 125 - 375 A	18442Q52-112	0 - 125 - 250 A	18442Q52-512	0 - 125 - 750 A	18442Q54-512
0 - 150 - 450 A	18442Q52-113	0 - 150 - 300 A	18442Q52-513	0 - 150 - 900 A	18442Q54-513
0 - 200 - 600 A	18442Q52-114	0 - 200 - 400 A	18442Q52-514	0 - 200 - 1200 A	18442Q54-514
0 - 250 - 750 A	18442Q52-115	0 - 250 - 500 A	18442Q52-515	0 - 250 - 1500 A	18442Q54-515
Current transformer 1 A, 5 x In		Current transformer 5 A, 3 x In			
0 - 5 - 25 A	18442Q53-101	0 - 5 - 15 A	18442Q52-501		
0 - 10 - 50 A	18442Q53-102	0 - 10 - 30 A	18442Q52-502		
0 - 15 - 75 A	18442Q53-103	0 - 15 - 45 A	18442Q52-503		
0 - 20 - 100 A	18442Q53-104	0 - 20 - 60 A	18442Q52-504		
0 - 25 - 125 A	18442Q53-105	0 - 25 - 75 A	18442Q52-505		
0 - 30 - 150 A	18442Q53-106	0 - 30 - 90 A	18442Q52-506		
0 - 40 - 200 A	18442Q53-107	0 - 40 - 120 A	18442Q52-507		
0 - 50 - 250 A	18442Q53-108	0 - 50 - 150 A	18442Q52-508		
0 - 60 - 300 A	18442Q53-109	0 - 60 - 180 A	18442Q52-509		
0 - 75 - 375 A	18442Q53-109	0 - 75 - 225 A	18442Q52-510		
0 - 100 - 500 A	18442Q53-111	0 - 100 - 300 A	18442Q52-511		
0 - 125 - 625 A	18442Q53-112	0 - 125 - 375 A	18442Q52-512		
0 - 150 - 750 A	18442Q53-113	0 - 150 - 450 A	18442Q52-513		
0 - 200 - 1000 A	18442Q53-114	0 - 200 - 600 A	18442Q52-514		
0 - 250 - 1250 A	18442Q53-115	0 - 250 - 750 A	18442Q52-515		

① The list of dials is not exhaustive. Please consult quotation department for more options.

Unicode™ 2 Series Accessoires: Ammeters

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2
Notable: UKEX, INMETRO Certified

Interchangeable Dials for Ammeters ATEX/IECEx Ammeter 72 mm x 72 mm (2.83 in x 2.83 in) ①

Scale	Catalog Number	Scale	Catalog Number	Scale	Catalog Number
Current Transformer 1 A, 2 x In		Current transformer 1 A, 6 x In		Current transformer 5 A, 5 x In	
0 - 5 - 10 A	18442P21-101	0 - 5 - 30 A	18442P24-101	0 - 5 - 25 A	18442P23-501
0 - 10 - 20 A	18442P21-102	0 - 10 - 60 A	18442P24-102	0 - 10 - 50 A	18442P23-502
0 - 15 - 30 A	18442P21-103	0 - 15 - 90 A	18442P24-103	0 - 15 - 75 A	18442P23-503
0 - 20 - 40 A	18442P21-104	0 - 20 - 120 A	18442P24-104	0 - 20 - 100 A	18442P23-504
0 - 25 - 50 A	18442P21-105	0 - 25 - 150 A	18442P24-105	0 - 25 - 125 A	18442P23-505
0 - 30 - 60 A	18442P21-106	0 - 30 - 180 A	18442P24-106	0 - 30 - 150 A	18442P23-506
0 - 40 - 80 A	18442P21-107	0 - 40 - 240 A	18442P24-107	0 - 40 - 200 A	18442P23-507
0 - 50 - 100 A	18442P21-108	0 - 50 - 300 A	18442P24-108	0 - 50 - 250 A	18442P23-508
0 - 60 - 120 A	18442P21-109	0 - 60 - 360 A	18442P24-109	0 - 60 - 300 A	18442P23-509
0 - 75 - 150 A	18442P21-110	0 - 75 - 450 A	18442P24-110	0 - 75 - 375 A	18442P23-510
0 - 100 - 200 A	18442P21-111	0 - 100 - 600 A	18442P24-111	0 - 100 - 500 A	18442P23-511
0 - 125 - 250 A	18442P21-112	0 - 125 - 750 A	18442P24-112	0 - 125 - 625 A	18442P23-512
0 - 150 - 300 A	18442P21-113	0 - 150 - 900 A	18442P24-113	0 - 150 - 750 A	18442P23-513
0 - 200 - 400 A	18442P21-114	0 - 200 - 1200 A	18442P24-114	0 - 200 - 1000 A	18442P23-514
0 - 250 - 500 A	18442P21-115	0 - 250 - 1500 A	18442P24-115	0 - 250 - 1250 A	18442P23-515
Current Transformer 1 A, 3 x In		Current transformer 5 A, 2 x In		Current transformer 5 A, 6 x In	
0 - 5 - 15 A	18442P22-101	0 - 5 - 10 A	18442P21-501	0 - 5 - 30 A	18442P24-501
0 - 10 - 30 A	18442P22-102	0 - 10 - 20 A	18442P21-502	0 - 10 - 60 A	18442P24-502
0 - 15 - 45 A	18442P22-103	0 - 15 - 30 A	18442P21-503	0 - 15 - 90 A	18442P24-503
0 - 20 - 60 A	18442P22-104	0 - 20 - 40 A	18442P21-504	0 - 20 - 120 A	18442P24-504
0 - 25 - 75 A	18442P22-105	0 - 25 - 50 A	18442P21-505	0 - 25 - 150 A	18442P24-505
0 - 30 - 90 A	18442P22-106	0 - 30 - 60 A	18442P21-506	0 - 30 - 180 A	18442P24-506
0 - 40 - 120 A	18442P22-107	0 - 40 - 80 A	18442P21-507	0 - 40 - 240 A	18442P24-507
0 - 50 - 150 A	18442P22-108	0 - 50 - 100 A	18442P21-508	0 - 50 - 300 A	18442P24-508
0 - 60 - 180 A	18442P22-109	0 - 60 - 120 A	18442P21-509	0 - 60 - 360 A	18442P24-509
0 - 75 - 225 A	18442P22-110	0 - 75 - 150 A	18442P21-510	0 - 75 - 450 A	18442P24-510
0 - 100 - 300 A	18442P22-111	0 - 100 - 200 A	18442P21-511	0 - 100 - 600 A	18442P24-511
0 - 125 - 375 A	18442P22-112	0 - 125 - 250 A	18442P21-512	0 - 125 - 750 A	18442P24-512
0 - 150 - 450 A	18442P22-113	0 - 150 - 300 A	18442P21-513	0 - 150 - 900 A	18442P24-513
0 - 200 - 600 A	18442P22-114	0 - 200 - 400 A	18442P21-514	0 - 200 - 1200 A	18442P24-514
0 - 250 - 750 A	18442P22-115	0 - 250 - 500 A	18442P21-515	0 - 250 - 1500 A	18442P24-515
Current transformer 1 A, 5 x In		Current transformer 5 A, 3 x In			
0 - 5 - 25 A	18442P23-101	0 - 5 - 15 A	18442P22-501		
0 - 10 - 50 A	18442P23-102	0 - 10 - 30 A	18442P22-502		
0 - 15 - 75 A	18442P23-103	0 - 15 - 45 A	18442P22-503		
0 - 20 - 100 A	18442P23-104	0 - 20 - 60 A	18442P22-504		
0 - 25 - 125 A	18442P23-105	0 - 25 - 75 A	18442P22-505		
0 - 30 - 150 A	18442P23-106	0 - 30 - 90 A	18442P22-506		
0 - 40 - 200 A	18442P23-107	0 - 40 - 120 A	18442P22-507		
0 - 50 - 250 A	18442P23-108	0 - 50 - 150 A	18442P22-508		
0 - 60 - 300 A	18442P23-109	0 - 60 - 180 A	18442P22-509		
0 - 75 - 375 A	18442P23-110	0 - 75 - 225 A	18442P22-510		
0 - 100 - 500 A	18442P23-111	0 - 100 - 300 A	18442P22-511		
0 - 125 - 625 A	18442P23-112	0 - 125 - 375 A	18442P22-512		
0 - 150 - 750 A	18442P23-113	0 - 150 - 450 A	18442P22-513		
0 - 200 - 1000 A	18442P23-114	0 - 200 - 600 A	18442P22-514		
0 - 250 - 1250 A	18442P23-115	0 - 250 - 750 A	18442P22-515		

① The list of dials is not exhaustive. Please consult quotation department for more options.

Unicode™ 2 Series Accessoires: Voltmeters

Components for Increased Safety Enclosures

ATEX/IECEx: Zones 1 and 2
Notable: UKEX, INMETRO Certified

Applications

- Suitable for use with certified Ex e enclosures for control equipment in industrial processes.

Features

- Panel mounted version with metal support 48x48mm
- DIN rail mounted (TS35) and panel mounted version 72x72mm

Technical Data

- Nominal current intensity : 6mA for both sizes
- Rated Voltage: 300 V for 48x48mm
- Rated Voltage: 500 V for 72x72mm
- Maximum short circuit 100 A for both sizes
- Frequency: 50 Hz
- Terminal connections: M4 for size 48x48; M5 for size 72x72
- Direct connections: up to 2,5mm²
- Connections by lugs : up to 4mm²

ATEX/IECEx Certifications and Compliances

- Certification Type: U2VE
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU:  II 2 G
 - Type of Protection: Ex eb mb IIC Gb
 - Service Temperature: -25 °C à +70 °C
 - ATEX Certificate: LCIE 14 ATEX 3027 U
 - IECEx Certificate: IECEx LCIE 14.0026 U

UKEX Certifications

- UKEX Certificate: CML 21UKEX3199U

INMETRO Certifications

- INMETRO Certificate: BVC22.4129-U



AC Voltmètre

Voltmeters — 48 x 48 mm (1.89" x 1.89") and 72 x 72mm (2.83" x 2.83")
Deflection 90° — Red adjustable index — Accuracy class 1.5 — Square barrel

Description		Weight kg (lb)	Volume dm ³ (in ³)	Catalog number
Rail mounted				
For size 48 x 48mm	with scale 0-300	0.2 (0.44)	0.3 (18.3)	U2VE48300R
For size 72 x 72mm	with scale 0-500	0.3 (0.66)	0.6 (36.6)	U2VE72500R
Panel mounted				
For size 48 x 48mm	with scale 0-300	0.2 (0.44)	0.3 (18.3)	U2VE48300P
For size 72 x 72mm	with scale 0-500	0.3 (0.66)	0.6 (36.6)	U2VE72500P
Window for voltmeter				
For size 48 x 48 mm		0.1 (0.22)	0.4 (24.4)	CA48W
For size 72 x 72 mm		0.2 (0.44)	0.4 (24.4)	CA72W

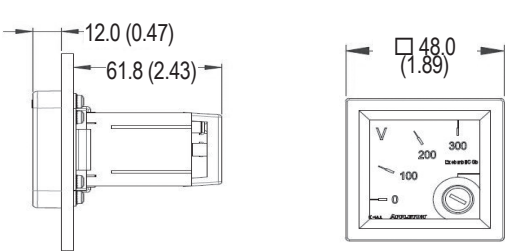
Unicode™ 2 Series Accessoires: Voltmeters

Components for Increased Safety Enclosures

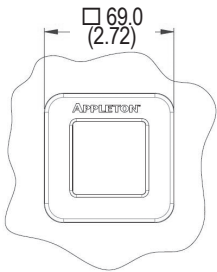
ATEX/IECEx: Zones 1 and 2
Notable: UKEX, INMETRO Certified

Dimensions in Millimeters (Inches)

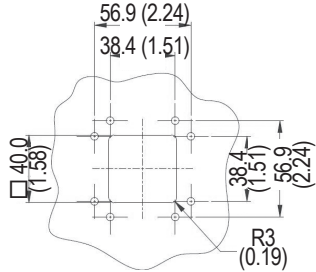
ATEX/IECEx Voltmeters 48 mm x 48 mm (1.89" x 1.89")



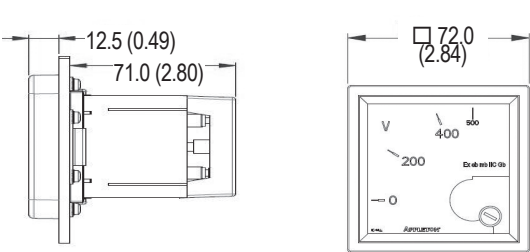
Window for Voltmeters



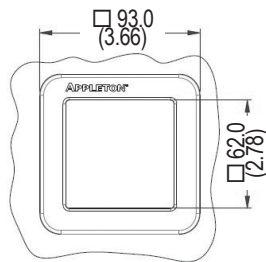
Drilling Information



ATEX/IECEx Voltmeters — 72 mm x 72 mm (2.83" x 2.83")



Window for Voltmeters



Drilling Information

