

Unicode™ 2 Series Pilot Lights

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

- 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

- 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 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



UPGOR
(rail mounted contacts)



UPGOP
(panel mounted contacts)

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.

Unicode™ 2 Series Pilot Lights

Components for Increased Safety Enclosures

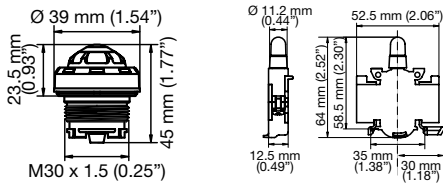
NEC/CEC:
 Class I, Division 2, Groups A, B, C, D
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NEC/CEC:
 Class II, Division 2, Groups F, G
 Class III
 Type 4X/IP66 ①

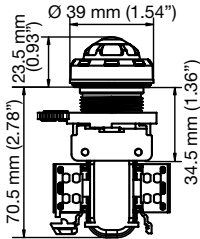
ATEX/IECEx:
 Zone 1 and 2 – 21 and 22
 Class II 2 GD
 IP66 – IK10

	Weight kg (lb)		Volume dm ³ (in ³)		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



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