

SPECIFICATION

No.: ISA2847D

Date. January.26, 2021

Approved by T.Iwami

Checked by T.Minami

T.Matsumoto

Written by

 $TW(\phi 22)$ SERIES ROUND PILOT LIGHT

TYPE APW $\triangle \square$ 6D $\underline{\times}$ (LED illuminated type)

EC60947-5-1

EN60947-5-1 (TUV Approval)

UL508 (UL Listing)

CSA C22.2 NO.14 (CSA Certified) GB/T14048.5 (CCC Certified)

2. Operating condition

(1) Ambient temperature -25 to +50°C (no freezing)
 (2) Relative humidity 45 to 85% (no condensation)
 (3) Storage temperature -40 to +80°C (no freezing)

3. Rating

(1) Rated insulation voltage 600V

(2) Operating voltage— () 100/110V AC (1), 115/120V AC (12), 200/220V AC (2),

230/240V AC (24), 380V AC (38), 400/440V AC (4), 480V AC (48)

4. Construction

(1) Outside view See attached sheet

(2) Degree of protection IP65

(3) Built-in LED LSRD-6 (See attached sheet)

(4) Lamp Base BA9S

(5) Lens style – (Δ) Round flush(1), Round flush(Making type)(1B), Dome(2)

(6) Illumination color— (*X) Red(R), Green(G), Yellow(Y), Amber(A), Blue(S), Pure white (PW)

(7) Terminal style M3.5 terminal screw

(8) Applicable wire Solid wire: φ0.5~1.6mm(AWG14~22) 2 maximum

Strand wire: $0.3 \sim 2.0 \text{mm}^2 (AWG14 \sim 22) 2 \text{ maximum}$

(9) Panel thickness 1 to 6mm (10) Panel cut-out ϕ 22.3 $^{+0.4}_{o}$ mm

5. Characteristics

(1) Insulation resistance $100M\Omega$ minimum(measured with a 500V megger)

(2) Dielectric strength 2000V AC, 1 minute

(3) Vibration resistance

(a) Operating extremes
 (b) Damage limits
 Frequency 5 to 55Hz, Amplitude 0.5mm
 Frequency 30Hz, Amplitude 1.5mm

(4) Shock resistance

(a) Operating extremes 100 m/s^2 (b) Damage limits 1000 m/s^2



SPECIFICATION

No. ISA4590 Date. July -4, 2022

Approved by Y.Onishi

Checked by Tos.Matsumoto

Written by Tom.Matsumoto

MINIATURE LED LAMP

TYPE LSRD- O

Rated voltage

1. Operating conditions

-25 to +55°C (no freezing) (1) Ambient temperature

(Based on applicable IDEC control unit in which this product is mounted)

45 to 85% (no condensation) (2) Relative humidity

(3) Altitude 2000m maximum

2. Ratings

Rated voltage $-(\bigcirc)$		24V AC/DC (2)	12V AC/DC (1)	6V AC/DC (6)
Operating voltage		24V AC/DC±10%	12V AC/DC±10%	6V AC/DC±10%
Rated current	DC	7mA	7mA	10mA
	AC	8mA	8mA	14mA

3. Constructions

(1) Outside view, equivalent circuit See attached sheet

(2) Base Based on JIS C7709 BA9S/13

(3) Lamp base surface preparation SuCu plating (4) Weight Approx.2g

4. Characteristics

(1) Vibration Resistance, Shock Resistance Based on applicable IDEC control unit in which this product is mounted

(2) Chromaticity range (X, Y) (0.302, 0.331)-(0.306, 0.310)-(0.323, 0.326)-(0.320, 0.350)



SPECIFICATION

No. ISA4590 Date. July -4, 2022

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Written by Tom.Matsumoto

MINIATURE LED LAMP

TYPE LSRD- O

Rated voltage

1. Operating conditions

-25 to +55°C (no freezing) (1) Ambient temperature

(Based on applicable IDEC control unit in which this product is mounted)

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2. Ratings

Rated voltage $-(\bigcirc)$		24V AC/DC (2)	12V AC/DC (1)	6V AC/DC (6)
Operating voltage		24V AC/DC±10%	12V AC/DC±10%	6V AC/DC±10%
Rated current	DC	7mA	7mA	10mA
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