

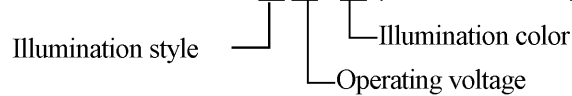
# SPECIFICATION

No. : ISA4543

Date. May.25, 2021

HW (φ 22) SERIES PILOT LIGHT

TYPE HW1P-△□2※ (LED Illuminated)



Approved by T.Iwami

Checked by T.Minami

Written by T.Matsumoto

1. Applicable standard

JIS C 8201-1, JIS C 8201-5-1  
 IEC60947-1, IEC60947-5-1  
 EN60947-1, EN60947-5-1 (TUV Approval)  
 UL508 (UL Listing)  
 CSA C22.2 (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%RH (no condensation)
- (3) Storage temperature -40 to +80°C (no freezing)

3. Rating

- (1) Rated insulation voltage 600V
- (2) Operating voltage — (□) 100/110V AC (H), 200/220V AC (M), 115/120V AC (H2), 230/240V AC (M4)

4. Construction

- (1) Outside view See attached sheet
- (2) Degree of protection IP65
- (3) Illumination color — (※) Red(R), Green(G), Amber(A), Yellow(Y), Blue(S), Pure white (PW)
- (4) Included LED lamp LSRD-6 (See attached sheet)
- (5) LED lamp base BA9S/13
- (6) Illumination style — (△) Round flush(1), Round dome(2)
- (7) Terminal style M3.5 terminal screw
- (8) Applicable wire / Recommended tightening torque

Applicable wire		Maximum number of installed	Recommended tightening torque(N·m)
Solid wire	φ0.5~1.6mm(AWG14~22)	2	1.0~1.3
Strand wire	0.3~2.0mm <sup>2</sup> (AWG14~22)	2	1.0~1.3

- (9) Panel thickness 0.8 to 6mm
- (10) Panel cut-out φ 22.3<sup>+0.4</sup> mm

## 5. Characteristics

- |                                 |   |
|---------------------------------|---|
| (1) Insulation resistance       | 100M $\Omega$ minimum (measured with a 500V megger) |
| (2) Dielectric strength         |   |
| (a) Between live and dead parts | 2500V AC, 1 minute                                  |
| (3) Vibration resistance        |   |
| (a) Operating extremes          | Frequency 5 to 55Hz, Amplitude 0.5mm                |
| (b) Damage limits               | Frequency 30Hz, Amplitude 1.5mm                     |
| (4) Shock resistance            |   |
| (a) Operating extremes          | 100 m/s <sup>2</sup>                                |
| (b) Damage limits               | 1000 m/s <sup>2</sup>                               |