INNOVEC
CONTROLS PTY LTD

INNOVEC AWS ISOLATION INDICATOR (Part # 3EAM947622)

The LEDAWS is a 110VDC powered LED ARRAY (60 LED [light emitting diode])
Isolation Indicator Light supplied in a surface mount enclosure with an IP65
weatherproof rating.

FEATURES
- High intensity LED's with a 120 degree view angle
- Available in yellow
- Constant light
- Nominal 110VDC [55-154VDC]
- Low cost - High performance
- Application is for AWS Isolation Indicator on railway rolling stock

The LEDAWS Isolation Indicator light is an advanced instrument that has been
designed and manufactured to stringent specifications.

The LEDAWS Isolation Indicator light is a Led array suitable for harsh and long life.
It has been designed to reject electrical interference that normally abounds in
industrial environments and includes flying lead electrical connection.

The light includes led module, polycarbonate window and mounting holes and 55CM
of flying leads terminated in a 3 **way Wago connector.**

TECHNICAL SPECIFICATIONS

Display

- An array of 60 high contrast SMD light emitting diodes (LED) with a light emission angle of 120 degrees for each LED and a minimum light intensity of 100 Candela. The LEDs are arranged in 10 independent circuits so the loss of one led will not stop the light from functioning.

Environmental Parameters

- -40 to 70 degrees Celsius.
- 0-90% RH non-condensing.

Connection Details

- Terminal 1: 110VDC active supply (flying lead marked with red heat sink)
- Terminal 2: 0VDC supply (flying lead unmarked)
- Terminal 3:Ground supply (flying lead marked green/yellow)
- Wiring is accomplished using Huber & Suhner 4GKW-AX-1.5mm2

Power Supply

- 55VDC to 154VDC. Other voltages on request
- Current consumption is 60mA @ 110VDC
- Inrush current of 200mA for 80 micro seconds. The LED current is controlled by a closed loop feedback circuit. This ensures constant brightness independent of power supply voltage
- The power supply to the light is protected by a power conditioning circuit which includes voltage spike removal to ensure compliancy with EN50121.
- Reverse polarity protection (reverse connection will not cause any damage).

Material of manufacture

- Housing is metal spun 1.5mm aluminium bright clear anodised.
- Window is 2mm Makrolon polycarbonate
- The light is sealed with Sika Firesil Marine N
- All screws are 304 grade stainless steel
- Cable entry grommet is sealed with Sika Firesil Marine N

Weight

- LEDAWS is 200grams.

Mounting Details

- Surface mounting bright clear anodised aluminium enclosure of case dimensions 110mm diameter flange by 87mm deep, with mounting achieved by 3 of 7mm holes 8.00mm in from the rear edge of the housing.

Ordering Information

- The part number is configured as.
- Model/input signal/display units/power supply/options.
- Sample number for red marker light: LEDAWS/60/110/110VDC.