TOUCH & HOLD SOCKET - OVAL

Description

The Touch & Hold Socket provides the electrical contact for the transfer of data to and from the DALLAS family of iButtons. The socket is ideal for applications that require the iButton to be connected for more than just a momentary touch. Once the iButton is inserted, it latches to give a continuous electrical contact.

The socket is designed for the DALLAS iButton F5 MicroCan package, attached to a plastic key ring.

Supply voltage (V_{supply}) and current (I_{select}) to the LED is defined by the application. I_{select} may be chosen up to 20mA maximum. An increase in current produces better brightness. An external Resistor (R_{calc}) is calculated with:
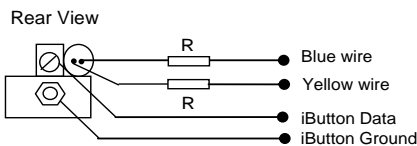
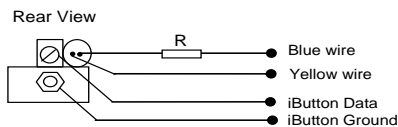$$R_{calc} = (V_{supply} - 2.2)/I_{select} \text{ in Ohms}$$

Part Number

Touch & Hold Socket Oval no led.
Touch & Hold Socket Oval 2 colour
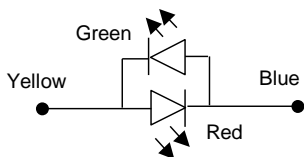Touch & Hold Socket Oval 3 colour

Connection Diagram (3 colour)

Rear View

R — Blue wire
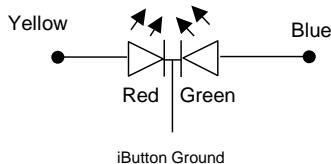— Yellow wire
R — iButton Data
— iButton Ground

Connection Diagram (2 Colour)

Rear View

R — Blue wire
— Yellow wire
— iButton Data
— iButton Ground

Add Resistor (R) to limit current to 20mA max.

2 Colour Led

Green
Yellow   Blue
Red

3 Colour Led

Yellow   Blue
Red   Green
iButton Ground

Dimensions

36mm

42mm

26mm   11.5mm

Panel Cut-out

Ø3mm

3.5mm

24mm

28mm   6mm
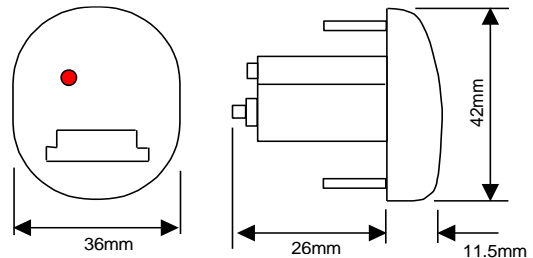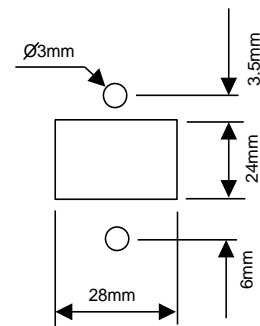
The manufacturer reserves the right to change specifications without prior notice

DEKRA