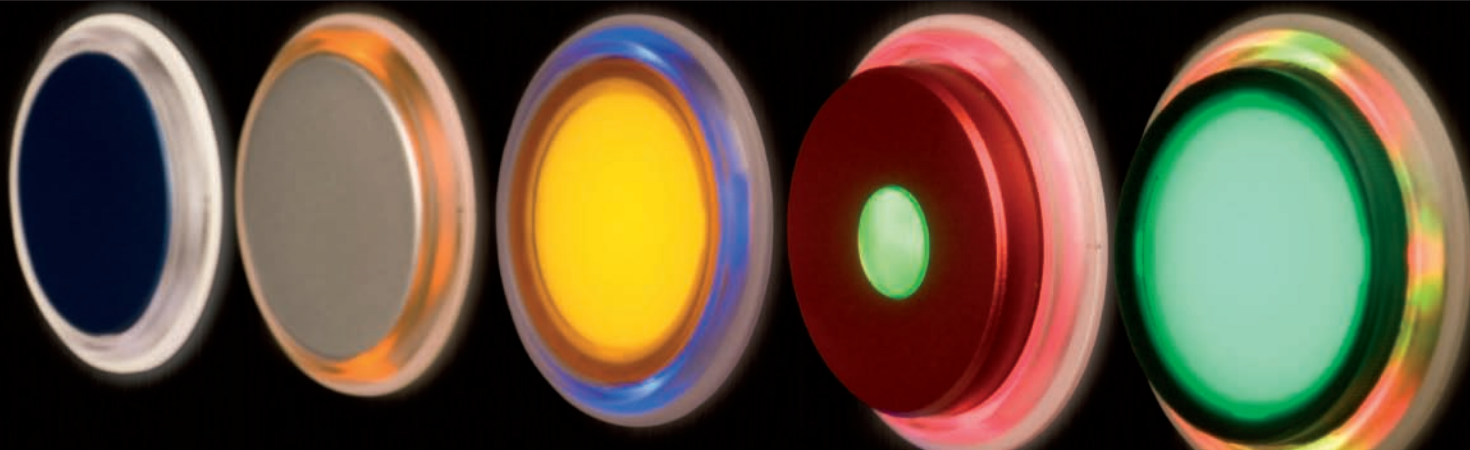


Series 84 with Halo Illumination



EAO, the Expert for Human Machine Interfaces, offers a fresh design for applications with the Series 84 “halo illumination” switches and indicators.

A brilliant glow is emitted around the lens by the internal LEDs, which are available in a range of colours including red, yellow, orange, blue, green or white. In addition, the lenses are available in either raised flat-fronted or raised convex versions.

Main features

- Attractive design
- Durable build with aluminium lens option
- Sealed to IP67 (at front)
- High-visibility, consistent illumination
- Improves control panel appearance

Mounting

- Mounted in 22.5 mm dia. mounting hole

Ordering example

Actuator 84-1091.7 illuminated pushbutton, translucent, IP67
Lens 84-7205.600A aluminium blue raised flat
Switching element 84-8511.6620 with blue single LED, 24 VDC

Typical applications

The durable build and IP67 seal makes it suitable for a variety of industrial applications, especially those in poorly-lit areas and for public use.

- Ticket issuing machines
- Stop-request switches for bus and train
- Medical instruments
- Cockpits of marine vessels

Switching system

Short-travel switching system with two independent contact points and tactile operation. Guarantees reliable switching even of very light loads. Fitted with one normally-open contact.

Material

Actuator housing	Polyetherimide (PEI), as per UL 94 V0*
Lens	Polycarbonate (PC), as per UL 94 V2* * or anodised aluminium
Switching element	Thermoplastic polyester (PET, PBT), as per UL 94 V0 and Polyacetale (POM), as per UL 94 HB
Material of contact	Silver alloy gold-plated

Mechanical characteristics

Mounting hole	22.5 mm dia.
Terminals	Plug-in terminals 2.8 x 0.8 mm (solderable)
Flat ribbon cable	0.5 mm ²
Actuating force	4.0 N ± 0.2 N (measured at the lens)
Actuating travel	~0.5 mm
Mechanical lifetime	1 million cycles of operations

Electrical characteristics

Illumination	Single-chip LED, red, yellow, orange, green, white and blue
Switching element	1 million cycles of operation at 24 VDC, 100 mA, 240 Ω
Voltage	50 m VAC/DC ... 42 VAC/DC
Current	10 µA ... 100 mA
Power	max. 2 W

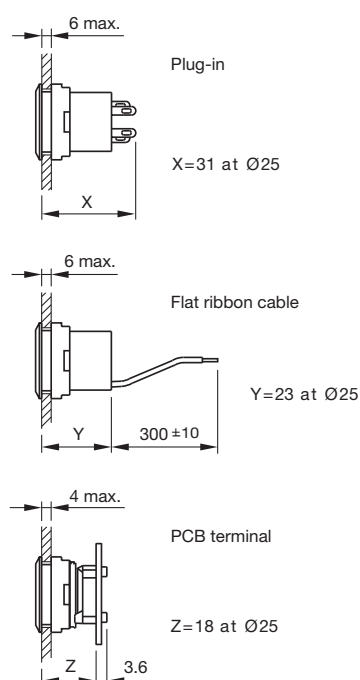
Environmental conditions

Storage temperature	–40°C ... +85°C
Operating temperature	–25°C ... +70°C
Protection degree (front)	IP67 per EN IEC 60529

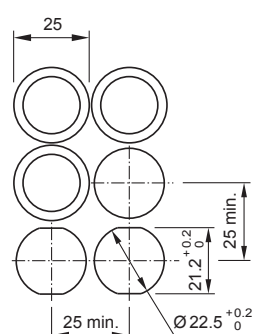
Approvals	CE conformity declaration / RoHS
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For in-depth information, please refer to product selector and the EAO catalogue.

Dimensions



Mounting holes



Mounting types

