

Series

04

Illuminated selector switch.



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Modern, illuminated selector switch with excellent tactile feedback and a long service life – for intuitive operation and additional measures of safety in public transportation applications.

Public transportation today needs easy to use, modern actuators and indicators. EAO, the expert partner for Human Machine Interfaces (HMIs), offers tactile, long-lasting illuminated selector switches that are ideal for the challenging conditions often found within transportation applications. With single or bi-colour illumination, these Series 04 illuminated selector switches enhance operating safety in the driver's cab and on the control panel by way of intuitively quick, visual recognition.

Series 04 selector switches offer excellent, positive, and robust tactile feedback. Thanks to their rugged and modular design, these reliable devices have a long service life of up to 2.5 million switching cycles and feature high IP65 protection thus making them extremely versatile in use.

Bright LED illumination is clearly visible in daytime scenarios that feature strong sunlight as well as other low-light conditions. The easily identifiable switch positions also enable safe and intuitive operation. Combined with EAO Value Added Services that can include panel fitting, wiring assemblies and marking capabilities, easy installation and intuitive operation are possible for just about any application offered.

These actuators are available in round or square shapes and with raised or flush designs. They also offer the option of a short or long lever. Optional illumination in red, green, blue, yellow or white is offered, and all colour variants are available with operating voltages of 6VDC to 230 VAC.

These illuminated selector switches are based on the reliable switching technology of the proven Series 04, which offers the following end user benefits:

- Industry standard mounting for new designs or retrofit applications
- A choice of two or three switching positions
- Actions of momentary, maintained, or combinations of the two
- Can be combined with all proven Series 04 switching elements
- Snap action, momentary action and rotary switching elements available
- Support for up to three switching element (six contacts)
- The option to have more than three switching positions (not for illuminated variants and only contacts with screw terminal)
- Screw, plug, double plug and push-in terminal contacts
- Optional sealed protective covers for added security against accidental and unauthorised operation
- Optional hole for sealing of long lever

The user-friendly, ergonomically designed selector switch along with its rounded edges are consistent with the DIN 5566-1 standard (non-illuminated version with low back panel depth also available).

Advantages.

- Bright, single or bi-colour LED illumination
- Modern design with rounded edges (in accordance with DIN 5566-1)
- Excellent tactile feedback
- Long service life and robust construction (IP65)
- Wide range of possible combinations and options

Typical applications

- Driver's cab
- Control units
- Control cabinets

Mechanical characteristics

- Mechanical life
 - Momentary action: 2.5 million cycles of operation
 - Maintained action: 1.25 million cycles of operation
- Torque
 - 0.12 Nm to 0.25 Nm (with switching element), depending on the switching position type

Degree of protection

- IP65 front protection

Ambient conditions

- Temperature
 - Storage temperature -40°C to $+85^{\circ}\text{C}$
 - Operating temperature -40°C to $+55^{\circ}\text{C}$

Electrical characteristics

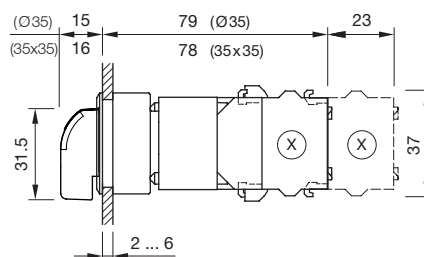
Please refer to the Series 04 product catalogue for the selector switch's electrical characteristics.

Standard

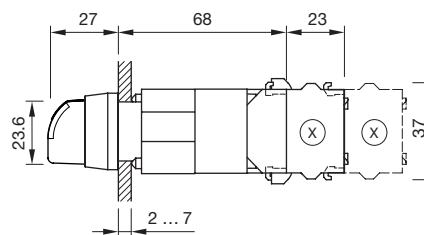
Rounded edges in accordance with DIN 5566-1 (Rail Vehicles/Driver Cabs – Part 1: General Requirements)

Dimensions

Flush design/long lever

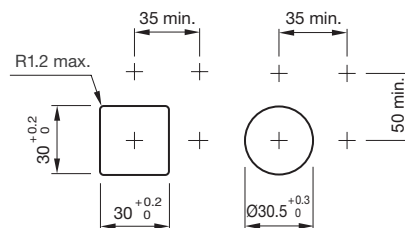


Raised design/short lever

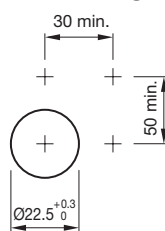


Mounting cut-outs

Flush design



Raised design



All dimensions in mm.