

## TECHNICAL SPECIFICATION

### Buttons and LED indicators for DIN-rail



#### Description:

These are devices used in control and indication systems adjusted for mounting in command boards and panels directly on DIN-rail. They are manufactured to commutate controlling circuits and to control the switching on or off executive mechanisms such as relays, contactors, etc. The signal lamps and indicators find broad application in all industrial fields. The devices endure short time current overload up to 20A, and normally they can commutate current up to 10A with their contact system. The connection to the contact terminals is through screw terminals to which operational conductors with section up to 2.5mm<sup>2</sup> can be joined. There are also designed buttons combined with lamps.

#### Technical data:

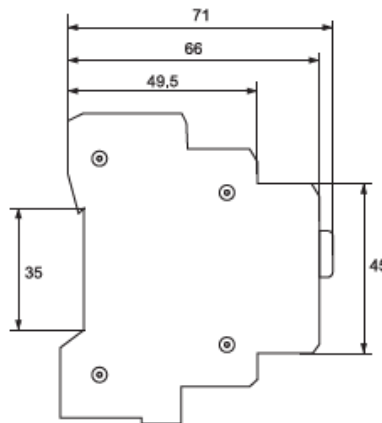
- Insulation voltage: 660V; 50/60Hz
- Impulse voltage wear resistance: 6000V;
- Rated current: up to 10A (230V AC)
- Short circuit protection: safety device 10A gG outside in the circuit
- Rated consumed current (for indicators and buttons combined with indicators): <20mA
- Wear resistance (indicators): >2000h
- Mechanical wear resistance (buttons): 1x10<sup>6</sup> commutation cycles

- Power of mechanical compression:
  - at closing: 20N
  - at opening: 8N
- Operating temperature: -20 ÷ +70°C
- Humidity: 35 – 85%RH
- Tightening moment of the joining conductors: 0.15Nm
- Section of the conductor: 1x0.5; 1x0.75; 1x1; 1x1.5; 1x2.5mm<sup>2</sup>
- Plastic: UV rays wear resistance

## Mounting:

- to DIN-rail
- Altitude: up to 2000m

## Dimensions:



## Variants:

Type	Description	Rated current (A) at 400V	Type of the contact	Colour	Packing / Box (pcs)	Catalogue number
ELB-BL-DIN	button	<10	2NO+1NC	black	12 / 240	401505
ELB-BL-DIN	button	<10	1NO+2NC	black	12 / 240	401506
ELB-G-DIN	button	<10	2NO+1NC	green	12 / 240	401507
ELB-G-DIN	button	<10	1NO+2NC	green	12 / 240	401508
ELB-Y-DIN	button	<10	2NO+1NC	yellow	12 / 240	401509
ELB-Y-DIN	button	<10	1NO+2NC	yellow	12 / 240	401510
ELB-R-DIN	button	<10	2NO+1NC	red	12 / 240	401512
ELB-R-DIN	button	<10	1NO+2NC	red	12 / 240	401513

Type	Description	Rated current (A) at 400V	Voltage	Colour	Packing / Box (pcs)	Catalogue number
ELD-G-DIN	lamp	<20	230V	green	12 / 240	401505
ELD-R-DIN	lamp	<20	230V	red	12 / 240	401506
ELD-Y-DIN	lamp	<20	230V	yellow	12 / 240	401507
ELD-B-DIN	lamp	<20	230V	blue	12 / 240	401508
ELD-W-DIN	lamp	<20	230V	white	12 / 240	401509

Type	Description	Voltage	Rated current (A) at 400V	Type of the contact	Colour	Packing / Box (pcs)	Catalogue number
ELBD-G-DIN	button + lamp	230V	<20	2NO+1NC	green	12 / 240	401514
ELBD-G-DIN	button + lamp	230V	<20	1NO+2NC	green	12 / 240	401515
ELBD-R-DIN	button + lamp	230V	<20	2NO+1NC	red	12 / 240	401516
ELBD-R-DIN	button + lamp	230V	<20	1NO+2NC	red	12 / 240	401517
ELBD-Y-DIN	button + lamp	230V	<20	2NO+1NC	yellow	12 / 240	401518
ELBD-Y-DIN	button + lamp	230V	<20	1NO+2NC	yellow	12 / 240	401519

## Standards:

EN 60947-1:2007

EN 60947-5-1:2004

