



#### Documents corresponding to the product:

Standard EN 60947-1  
EN 60 947-5-1 t



### Buttons and LED indicators

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

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

Type	Description	Voltage (V)	Rated current (A) at 400V	Colour	Packing / Box (pcs)	Catalogue number
ELD - G - DIN	lamp	230V	<20	green	12 / 240	<b>401500</b>
ELD - R - DIN	lamp	230V	<20	red	12 / 240	<b>401501</b>
ELD - Y - DIN	lamp	230V	<20	yellow	12 / 240	<b>401502</b>
ELD - B - DIN	lamp	230V	<20	blue	12 / 240	<b>401503</b>
ELD - W - DIN	lamp	230V	<20	white	12 / 240	<b>401504</b>

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