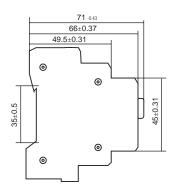
# ELMARK

# **ELEMENTS FOR AUTOMATION, MONITORING AND CONTROL**

Buttons and LED indicators



#### 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 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</li>
- wear resistance (indicators): >2000h
- Mechanical wear resistance (buttons): 1x106 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

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

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

Туре	Description	Voltage (V)	Rated cur- rent (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+ 2 NC	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+ 2 NC	red	12/240	401517
ELBD - Y - DIN	button + lamp	230V	<20	2NO+ 1 NC	yellow	12/240	401518
ELBD - Y - DIN	button + lamp	230V	<20	1NO+ 2 NC	yellow	12/240	401519