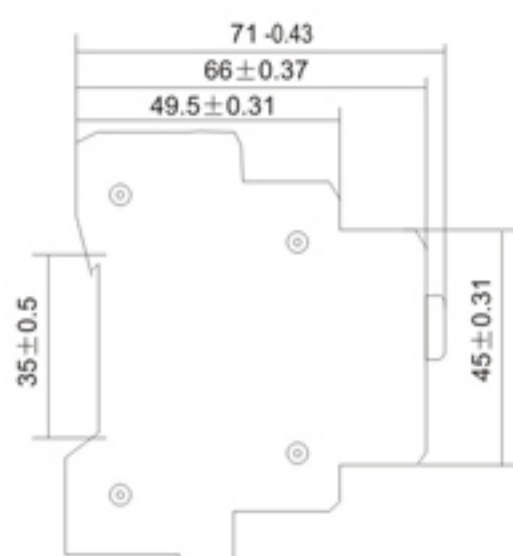


HLB Series Push Button Switch



Documents corresponding to the product:
Standardt EN 60947-1
EN 60 947-5-1



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 2.5mm² 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): 1 × 10⁶ commutation cycles
- * Power of mechanical compression: at closing: 20N at opening: 8N
- * Operating temperature: -20°C +70 °C
- * Humidity: 35-85% RH
- * Tightening moment of the joining conductors: 0.15Nm
- * Section of the conductor: 1 × 0.5; 1 × 0.75; 1 × 1; 1 × 1.5; 1 × 2.5 mm²

Mounting

- * TO a DIN-rail
- * Altitude: up to 2000m

Type	Description	Rated current(A) at 400v	Colour	Type of contacts
HLB-BL-DIN	button	<10	black	2NO+1 NC
HLB-BL-DIN	button	<10	black	1NO+2 NC
HLB-G-DIN	button	<10	green	2NO+1 NC
HLB-G-DIN	button	<10	green	1NO+2 NC
HLB-Y-DIN	button	<10	yellow	2NO+1 NC
HLB-Y-DIN	button	<10	yellow	1NO+2 NC
HLB-R-DIN	button	<10	red	2NO+1 NC
HLB-R-DIN	button	<10	red	1NO+2 NC

Type	Description	Voltage(V)	Rated current(A) AT 400v	Colour
HLD-G-DIN	lamp	12,36,48,110,220V optional	<20	green
HLD-R-DIN	lamp		<20	red
HLD-Y-DIN	lamp		<20	yellow
HLD-B-DIN	lamp		<20	blue
HLD-W-DIN	lamp		<20	white

Type	Description	Rated current(A) at 400v	Colour	Type of contacts	Voltage(V)
HLBD-G--DIN	button+lamp	<20	green	2NO+1 NC	12,36,48,110,220V optional
HLBD-G--DIN	button+lamp	<20	green	1NO+2 NC	
HLBD-R--DIN	button+lamp	<20	red	2NO+1 NC	
HLBD-R--DIN	button+lamp	<20	red	1NO+2 NC	
HLBD-Y--DIN	button+lamp	<20	yellow	2NO+1 NC	
HLBD-Y--DIN	button+lamp	<20	yellow	1NO+2 NC	