

# Command and alarm devices

## Buttons, switches, indicating lights

Light signaling indicators are intended for indicating the state of electric circuits. They are applied in electric panels, industrial equipment and power supply objects.

Control buttons and switches are designed for an operative management of contactors (automatic tripping contactors) and automatics relay within AC electric circuits of 50 Hz and voltage limited to 600 V or DC circuits limited to 400 V and other technological processes.

Various color variants provide for the most efficient arrangement of panels and boards. All devices consist of two units: removable head and contact module.

Black NO contact block (1NO) and brown NC unit (1NC).



## Design Features



Removable head provides for fast changing of lamps and light filters.



Conductors are connected with screw clamps with disk spring washers ensuring stable fixation.



12, 24, 36 and 110 V indicators can be used in AC and DC circuits.



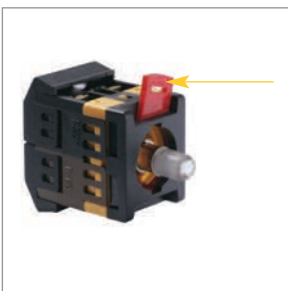
Using different color variants of dismountable light filters provides for more efficient panel and board assembly.



LED matrix employed in the indicators ensures more powerful light luminous flux as compared to a neon lamp and extended service life (6000 hours).



Removable neon lamp and LED matrix have different color arrangement. LED matrix is a universal solution for 12, 24, 36, 110 and 230 V both in AC and DC circuits. Neon lamp can be replaced with a LED matrix.



Convenient mounting of contact block that is connected to the button block at the expense of fixing by means of a plastic flag.



Supplementary making and breaking contacts allow expanding the capabilities of commutation processes.



Rubber O-rings ensure protection from foreign objects.



Simplified construction solution provides for fast dismounting and installation of this device into a panel or board.

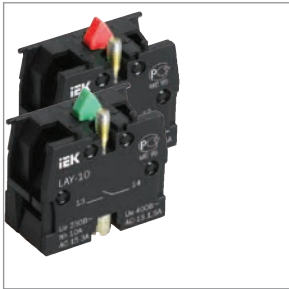
## Design Features



Auxiliary contact block are installed using a special mounting screws ensuring the stability of connection.



Using LED matrices as light sources. It has extended operating life and brighter light emission.



Availability of interchangeable making (1m) and breaking (1b) auxiliary contacts.



Rubber O-rings ensure protection from foreign objects.



Option of fast light source changing at the expense of using LED matrices with VA9s base.



Metal base ensures longer service life.



Upgraded press element construction excludes its spontaneous falling-out.



Marking holders ensure identification.



Stable and convenient system of fixation the device onto a mounting panel.



Name	Color	Package amount, pcs.		Product ID
		in package	in transp. box	
AD16DS matrix d16 mm 12 V AC/DC	white	10	600	BLS10-ADDS-012-K01-16
AD16DS matrix d16 mm 12 V AC/DC	red	10	600	BLS10-ADDS-012-K04-16
AD16DS matrix d16 mm 12 V AC/DC	yellow	10	600	BLS10-ADDS-012-K05-16
AD16DS matrix d16 mm 12 V AC/DC	green	10	600	BLS10-ADDS-012-K06-16
AD16DS matrix d16 mm 12 V AC/DC	blue	10	600	BLS10-ADDS-012-K07-16
AD16DS matrix d16 mm 24 V AC/DC	white	10	600	BLS10-ADDS-024-K01-16
AD16DS matrix d16 mm 24 V AC/DC	red	10	600	BLS10-ADDS-024-K04-16
AD16DS matrix d16 mm 24 V AC/DC	yellow	10	600	BLS10-ADDS-024-K05-16
AD16DS matrix d16 mm 24 V AC/DC	green	10	600	BLS10-ADDS-024-K06-16
AD16DS matrix d16 mm 24 V AC/DC	blue	10	600	BLS10-ADDS-024-K07-16
AD16DS matrix d16 mm 36 V AC/DC	white	10	600	BLS10-ADDS-036-K01-16
AD16DS matrix d16 mm 36 V AC/DC	red	10	600	BLS10-ADDS-036-K04-16
AD16DS matrix d16 mm 36 V AC/DC	yellow	10	600	BLS10-ADDS-036-K05-16
AD16DS matrix d16 mm 36 V AC/DC	green	10	600	BLS10-ADDS-036-K06-16
AD16DS matrix d16 mm 36 V AC/DC	blue	10	600	BLS10-ADDS-036-K07-16
AD16DS matrix d16 mm 110 V AC/DC	white	10	600	BLS10-ADDS-110-K01-16
AD16DS matrix d16 mm 110 V AC/DC	red	10	600	BLS10-ADDS-110-K04-16
AD16DS matrix d16 mm 110 V AC/DC	yellow	10	600	BLS10-ADDS-110-K05-16
AD16DS matrix d16 mm 110 V AC/DC	green	10	600	BLS10-ADDS-110-K06-16
AD16DS matrix d16 mm 110 V AC/DC	blue	10	600	BLS10-ADDS-110-K07-16
AD16DS matrix d16 mm 230 V AC	white	10	600	BLS10-ADDS-230-K01-16
AD16DS matrix d16 mm 230 V AC	red	10	600	BLS10-ADDS-230-K04-16
AD16DS matrix d16 mm 230 V AC	yellow	10	600	BLS10-ADDS-230-K05-16
AD16DS matrix d16 mm 230 V AC	green	10	600	BLS10-ADDS-230-K06-16
AD16DS matrix d16 mm 230 V AC	blue	10	600	BLS10-ADDS-230-K07-16



LAY5-BU63 matrix d22 mm	green	20	200	BLS50-BU-K06
LAY5-BU64 matrix d22 mm	red	20	200	BLS50-BU-K04
LAY5-BU65 matrix d22 mm	yellow	20	200	BLS50-BU-K05

**Control buttons**



ABLF-22 d22 mm neon/230 V 1NO+1NC	white	10	200	BBT10-ABLF-K01
ABLF-22 d22 mm neon/230 V 1NO+1NC	yellow	10	200	BBT10-ABLF-K05
ABLF-22 d22 mm neon/230 V 1NO+1NC	green	10	200	BBT10-ABLF-K06
ABLF-22 d22 mm neon/230 V 1NO+1NC	red	10	200	BBT10-ABLF-K04
ABLF-22 d22 mm neon/230 V 1NO+1NC	transparent	10	200	BBT10-ABLF-K08
ABLF-22 d22 mm neon/230 V 1NO+1NC	blue	10	200	BBT10-ABLF-K07



ABLFP-22 d22 mm neon/230 V 1NO+1NC	white	10	200	BBT20-ABLFP-K01
ABLFP-22 d22 mm neon/230 V 1NO+1NC	yellow	10	200	BBT20-ABLFP-K05
ABLFP-22 d22 mm neon/230 V 1NO+1NC	green	10	200	BBT20-ABLFP-K06
ABLFP-22 d22 mm neon/230 V 1NO+1NC	red	10	200	BBT20-ABLFP-K04
ABLFP-22 d22 mm neon/230 V 1NO+1NC	transparent	10	200	BBT20-ABLFP-K08
ABLFP-22 d22 mm neon/230 V 1NO+1NC	blue	10	200	BBT20-ABLFP-K07