

# Distribution blocks, BRS type 500V

## FEATURES & BENEFITS

-  high current-current capacity of blocks, up to 400A
-  connecting cables with ring terminals
-  easy access to all unit busbars
-  protective cover included

4-bay distribution blocks, mounted on a DIN rail or surface. They consist of threaded copper bars mounted on insulating supports. The complete design is complemented by a plastic cover which is used as protection against accidental contact. The unit is attached with screws creating joints. Bolt heads come with special incisions so they can be tightened not only by spanner but also with screwdrivers, simplifying and minimising the assembly time. Apart from the screws in the set, there are also spring washers which provide permanent contact pressure regardless of the time of use. Distribution blocks are made acc. to international protection rating IP00.

## APPLICATION

LV switchboards, electrical cabinets.

## MECHANICAL DATA

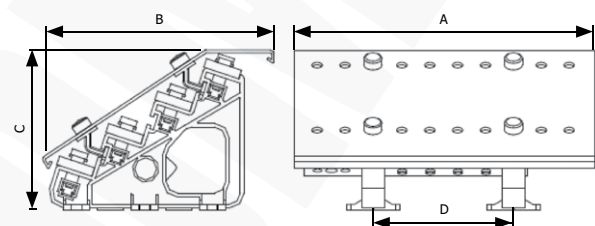
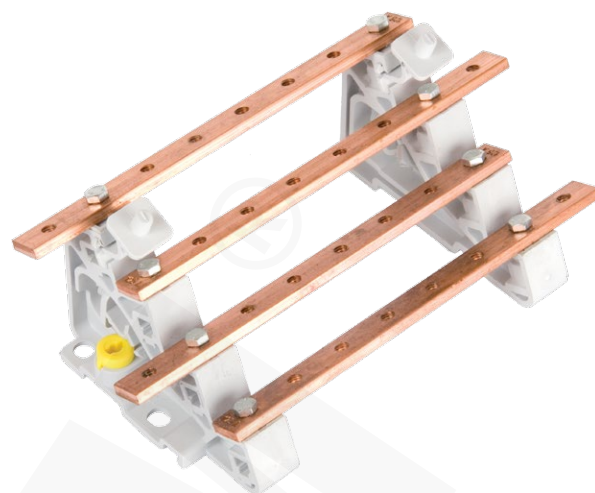
|                                 |                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Material</b>                 | insulation base - polyamide; rails<br>- electrical engineering copper;<br>standardized elements - galvanized steel |
| <b>Ambient temperature [°C]</b> | -5 ÷ +85                                                                                                           |
| <b>No. of circuits</b>          | 4                                                                                                                  |
| <b>No. of circuits</b>          | -                                                                                                                  |

## ELECTRICAL DATA

|                                                      |     |
|------------------------------------------------------|-----|
| <b>Rated insulation voltage <math>U_i</math> [V]</b> | 500 |
|------------------------------------------------------|-----|

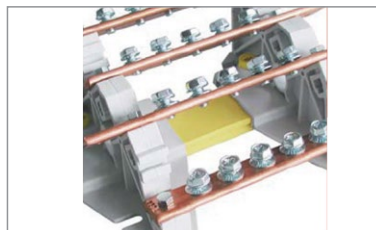
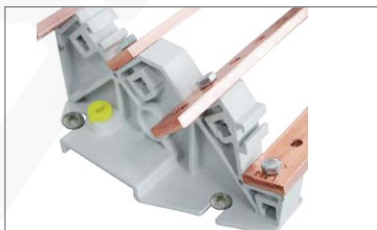
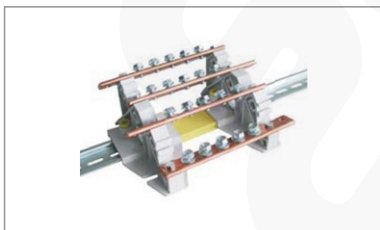
## CERTIFICATES & STANDARDS

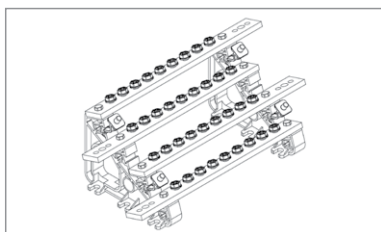
|                  |            |
|------------------|------------|
| <b>Standards</b> | EN 61439-1 |
|------------------|------------|



| Type             | Index Ergom       | Busbar dimensions [mm] | No. of supports | No. of holes per bar | $I_{cw}$ [kA/1s] | Rated continuous current $I_n$ 40°C [A] | $I_{pk}$ [kA] | A   | B   | C   | D       |
|------------------|-------------------|------------------------|-----------------|----------------------|------------------|-----------------------------------------|---------------|-----|-----|-----|---------|
| <b>BRS 4-125</b> | R33RA-03010000101 | 12 x 4                 | 2               | 6 x M5               | 23               | 125                                     | 48            | 183 | 135 | 74  | 114     |
| <b>BRS 4-160</b> | R33RA-03010000201 | 15 x 4                 | 2               | 6 x M5               | 23               | 160                                     | 48            | 183 | 135 | 74  | 114     |
| <b>BRS 4-250</b> | R33RA-03010000301 | 20 x 5                 | 2               | 5 x M6; 1 x M8       | 23               | 250                                     | 48            | 190 | 190 | 67  | 114     |
| <b>BRS 4-400</b> | R33RA-03010000401 | 25 x 6                 | 3               | 16 x M6; 1 x M8      | 20               | 400                                     | 40            | 410 | 175 | 110 | 2 x 152 |

$I_{cw}$  [kA/1s] - Short-circuit withstand current [kA/1s]





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