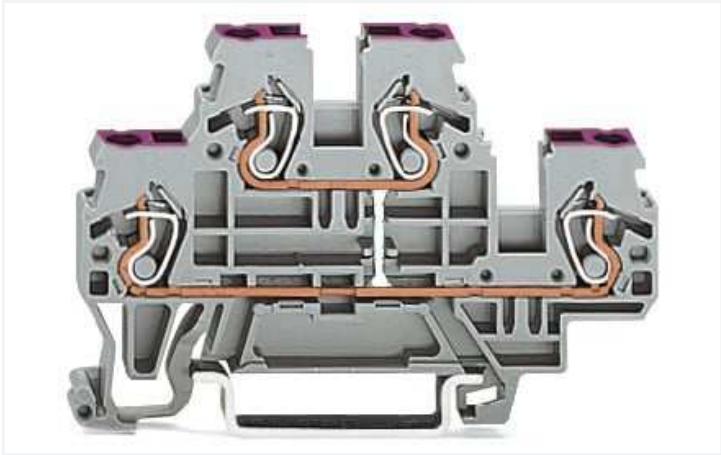


Data Sheet | Item Number: 870-509

Double-deck terminal block; 4-conductor through terminal block; N; suitable for Ex i applications; internal commoning; conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; blue

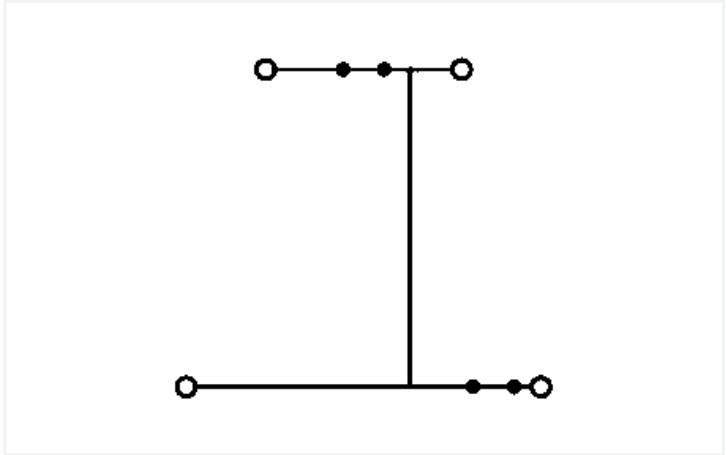


<https://www.wago.com/870-509>



Color:   blue

Similar to illustration



Similar to illustration

| Notes                |                                  |
|----------------------|----------------------------------|
| Safety information 1 | Max. insulation diameter: 4.4 mm |

| Electrical data               |                                                           |                                                              |           |
|-------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|-----------|
| Ratings per IEC/EN            |                                                           | Power loss                                                   |           |
| Ratings per                   | IEC/EN 60947-7-1                                          | Power loss, per pole (potential)                             | 0.7661 W  |
| Nominal voltage (III/3)       | 500 V                                                     | Rated current I <sub>N</sub> for specified power loss        | 24 A      |
| Rated impulse voltage (III/3) | 6 kV                                                      | Resistance value for specified, current-dependent power loss | 0.00133 Ω |
| Rated current                 | 24 A                                                      |                                                              |           |
| Legend (ratings)              | (III / 3) Δ Overvoltage category III / Pollution degree 3 |                                                              |           |

| Connection data            |   |                                                 |                                              |
|----------------------------|---|-------------------------------------------------|----------------------------------------------|
| Connection points          | 4 | Connection 1                                    |                                              |
| Total number of potentials | 1 | Connection technology                           | CAGE CLAMP®                                  |
| Number of levels           | 2 | Actuation type                                  | Operating tool                               |
|                            |   | Connectable conductor materials                 | Copper                                       |
|                            |   | Solid conductor                                 | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |
|                            |   | Fine-stranded conductor                         | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG   |
|                            |   | Fine-stranded conductor; with insulated ferrule | 0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG |
|                            |   | Strip length                                    | 6 ... 7 mm / 0.24 ... 0.28 inches            |
|                            |   | Wiring direction                                | Front-entry wiring                           |



| Physical data                     |  |                      |
|-----------------------------------|--|----------------------|
| Width                             |  | 5 mm / 0.197 inches  |
| Height                            |  | 70 mm / 2.756 inches |
| Depth from upper-edge of DIN-rail |  | 40 mm / 1.575 inches |

| Mechanical Data   |  |                 |
|-------------------|--|-----------------|
| Potential marking |  | N               |
| Design            |  | horizontal type |
| Mounting type     |  | DIN-35 rail     |
| Marking level     |  | Side marking    |

| Material Data               |  |                                                                          |
|-----------------------------|--|--------------------------------------------------------------------------|
| Note (material data)        |  | <a href="#">Information on material specifications can be found here</a> |
| Color                       |  | blue                                                                     |
| Material group              |  | I                                                                        |
| Insulation material         |  | Polyamide (PA66)                                                         |
| Flammability class per UL94 |  | V0                                                                       |
| Fire load                   |  | 0.167 MJ                                                                 |
| Weight                      |  | 9.9 g                                                                    |

| Environmental requirements       |  |                 |
|----------------------------------|--|-----------------|
| Processing temperature           |  | -35 ... +85 °C  |
| Continuous operating temperature |  | -60 ... +105 °C |

| Commercial data       |  |               |
|-----------------------|--|---------------|
| eCl@ss 10.0           |  | 27-14-11-20   |
| eCl@ss 9.0            |  | 27-14-11-20   |
| ETIM 8.0              |  | EC000897      |
| ETIM 7.0              |  | EC000897      |
| PU (SPU)              |  | 50 pcs        |
| Packaging type        |  | Box           |
| Country of origin     |  | DE            |
| GTIN                  |  | 4045454094447 |
| Customs tariff number |  | 85369010000   |

| 1 Compatible Products    |  |  |
|--------------------------|--|--|
| 1.1 Required Accessories |  |  |
| 1.1.1 End plate          |  |  |



1.1.1.1 End plate



Item No.: 870-518  
End and intermediate plate; 2 mm thick;  
gray



Item No.: 870-519  
End and intermediate plate; 2 mm thick;  
orange