



Mi 1224



- Circuit breaker box
- with FIXCONNECT® N- und PE terminal
- with 2x 12 modules (18 mm)

ELECTRICAL PROPERTIES

Rated insulation voltage:

| Rated insulation voltage | Voltage type |
|--------------------------|--------------|
| $U_i = 690\text{ V}$     | a.c.         |
| $U_i = 1000\text{ V}$    | d.c.         |

Protection class: II  
Rated current (of the terminal):  $I_n = 75\text{ A}$   
Number of possible N-potentials: 2

CONNECTION DATA

Tightening torque of the terminal: 2 Nm

Number of clamping units per pole:

| Number of clamping units per pole | Connection type             |
|-----------------------------------|-----------------------------|
| 12                                | Plug-in terminal connection |
| 3                                 | Screw connection            |

Terminal cross-section incoming:

| Maximum number of conductors clamping units each | Conductor cross-section min. | Conductor cross-section max. | Conductor cross section | Conductor type | Conductor material |
|--------------------------------------------------|------------------------------|------------------------------|-------------------------|----------------|--------------------|
| 4                                                | 1.5 mm <sup>2</sup>          | 2.5 mm <sup>2</sup>          | solid                   | round          | Cu                 |
| 1                                                | 1.5 mm <sup>2</sup>          | 25 mm <sup>2</sup>           | flexible                | round          | Cu                 |
| 3                                                | 4 mm <sup>2</sup>            | 6 mm <sup>2</sup>            | solid                   | round          | Cu                 |
| 1                                                | 10 mm <sup>2</sup>           | 10 mm <sup>2</sup>           | solid                   | round          | Cu                 |
| 1                                                | 16 mm <sup>2</sup>           | 25 mm <sup>2</sup>           | stranded                | round          | Cu                 |

Terminal cross-section outgoing cable:

| Maximum number of conductors clamping units each | Conductor cross-section min. | Conductor cross-section max. | Conductor cross section | Conductor type | Conductor material |
|--------------------------------------------------|------------------------------|------------------------------|-------------------------|----------------|--------------------|
| 1                                                | 1.5 mm <sup>2</sup>          | 4 mm <sup>2</sup>            | solid, flexible         | round          | Cu                 |

Connection cross-section plug-in terminal connection:

| Maximum number of conductors clamping units each | Conductor cross-section min. | Conductor cross-section max. | Conductor cross section | Conductor type | Conductor material |
|--------------------------------------------------|------------------------------|------------------------------|-------------------------|----------------|--------------------|
| 1                                                | 1.5 mm <sup>2</sup>          | 4 mm <sup>2</sup>            | solid, flexible         | round          | Cu                 |

Connection cross-section screw  
connection:

| Maximum number of conductors<br>clamping units each | Conductor cross-<br>section min. | Conductor cross-<br>section max. | Conductor<br>cross section | Conduc-<br>tor type | Conductor<br>material |
|-----------------------------------------------------|----------------------------------|----------------------------------|----------------------------|---------------------|-----------------------|
| 4                                                   | 1.5 mm <sup>2</sup>              | 2.5 mm <sup>2</sup>              | solid                      | round               | Cu                    |
| 1                                                   | 1.5 mm <sup>2</sup>              | 25 mm <sup>2</sup>               | flexible                   | round               | Cu                    |
| 3                                                   | 4 mm <sup>2</sup>                | 6 mm <sup>2</sup>                | solid                      | round               | Cu                    |
| 1                                                   | 10 mm <sup>2</sup>               | 10 mm <sup>2</sup>               | solid                      | round               | Cu                    |
| 1                                                   | 16 mm <sup>2</sup>               | 25 mm <sup>2</sup>               | stranded                   | round               | Cu                    |

## MECHANICAL PROPERTIES

With additional protection cover behind the lid

|                          |                                   |
|--------------------------|-----------------------------------|
| Type of lid fastening:   | Hand closure                      |
| Width in modules:        | 12 modules                        |
| Number of rows:          | 2                                 |
| Delivered accessories:   | Blanking strips, labelling strips |
| Can be combined:         | Yes                               |
| IP degree of protection: | IP65                              |
| Impact strength:         | IK08                              |
| DIN rail spacing:        | 125 mm                            |

## AMBIENT CONDITIONS

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Application area:                 | Indoor installation               |
| Maximum ambient temperature 24 h: | 35 °C                             |
| Ambient temperature:              | -5 °C up to +40 °C                |
| Relative humidity:                | ≤ 50 % at 40 °C, ≤ 100 % at 25 °C |

## MATERIAL PROPERTIES

|                                                |               |
|------------------------------------------------|---------------|
| Material:                                      | Polycarbonate |
| Glow wire test according to IEC<br>60695-2-11: | 960 °C        |
| UV-beständig nach DIN EN 61439-1:              | Yes           |
| Halogen-free:                                  | Yes           |
| Silicone-free:                                 | Yes           |

DIMENSIONS

|             |         |
|-------------|---------|
| Height:     | 300 mm  |
| Width:      | 300 mm  |
| Depth:      | 170 mm  |
| Net weight: | 2.84 kg |

COLOURS

|                     |             |
|---------------------|-------------|
| Colour of the lid:  | Transparent |
| Bottom part colour: | Grey        |

CERTIFICATES

|                              |             |
|------------------------------|-------------|
| conforming to the standards: | IEC 61439-2 |
|------------------------------|-------------|

SALES DATA

|                        |                                               |
|------------------------|-----------------------------------------------|
| Product number:        | 2000604                                       |
| EAN:                   | 4012591656043                                 |
| Pack unit:             | 1                                             |
| Customs tariff number: | 85371098                                      |
| ETIM class:            | DYNAMIC: EC000214 - Small distribution board  |
|                        | ETIM-9.0: EC000214 - Small distribution board |
|                        | ETIM-8.0: EC000214 - Small distribution board |
|                        | ETIM-7.0: EC000214 - Small distribution board |
|                        | ETIM-6.0: EC000214 - Small distribution board |
|                        | ETIM-5.0: EC000214 - Small distribution board |
|                        | ETIM-4.0: EC000214 - Small distribution board |

Rated loading factors

Rated power dissipation in ENYGUIDE:

| power dissipation capability P <sub>de</sub> | Temperature difference |
|----------------------------------------------|------------------------|
| P <sub>de</sub> = 1.2 W                      | 1 K                    |

DRAWINGS

