



## IKA industrial distribution board, UV-stable, IP65 + clamps

**Part no.** IKA-2/36-ST-UV  
**Article no.** 174194  
**Catalog No.** IKA-2/36-ST-UV

### Delivery program

|  |                                      |                 |  |
|--|--------------------------------------|-----------------|--|
| Basic function                                   |                                      |                 | Basic device   |
| Product function                                 |                                      |                 | Installation distribution boards   |
| Product range                                    |                                      |                 | IKA industrial DBO   |
| Design   |                                      |                 | Surface mounted  |
| Installation site                                |                                      |                 | Indoor<br>Outdoor  |
| Type of installation                             |                                      |                 | Surface mounting   |
| Door/Flap  |                                      |                 | Transparent  |
| Degree of Protection                             |                                      |                 | IP65   |
| Colour   |                                      |                 | Grey   |
| Module rack                                      |                                      |                 | Rail-frame   |
| Shroud for protection against accidental contact |                                      |                 | Plastic  |
| Rows   | Count                                |                 | 2  |
| Module units per row                             |                                      |                 | 18   |
| Description                                      |                                      |                 | IP65<br>Protection Class II<br>Plastic enclosure gray (RAL 7035)   |
| Cable entries                                    |                                      |                 | Metric cable entries on top and bottom, side, back plate   |
| PE and N terminals design                        |                                      |                 | Screw terminals  |
| PE and N terminals                               | Number<br>x cross-<br>sectional area | mm <sup>2</sup> | PE: 12 x (2.5 - 6) + 12 x (4 - 10) + 1 x (10 - 25) + 1 x (16 - 35)<br>N: 12 x (2.5 - 6) + 12 x (4 - 10) + 1 x (10 - 25) + 1 x (16 - 35)  |
| Equipment supplied                               |                                      |                 | Basic device<br>Device support rails<br>Neutral-/protective conductor terminal<br>Locking screws can be sealed<br>Sealing caps<br>Current circuit designation<br>Reserve section cover 6 space units |

### Technical data

#### General

|   |                |      |                           |
|---|----------------|------|---------------------------|
| Standards   |                |      | EN 62208, IEC/EN 60670-24 |
| RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council) |                |      | conform                   |
| Ambient temperature   |                | °C   | -25 - +40                 |
| Degree of Protection  |                |      | IP65                      |
| Protection class  |                |      | II (totally insulated)    |
| Rated operational voltage   | U <sub>e</sub> | V AC | 415                       |
| Rated frequency   | f              | Hz   | 50                        |

#### Material characteristics

|          |  |  |                         |
|----------|--|--|-------------------------|
| Material |  |  | Polycarbonate (plastic) |
| Colour   |  |  | Gray (RAL 7035)         |

#### Material properties

|                   |  |  |      |
|-------------------|--|--|------|
| Mechanical        |  |  |      |
| Impact resistance |  |  | IK08 |

### Design verification as per IEC/EN 61439

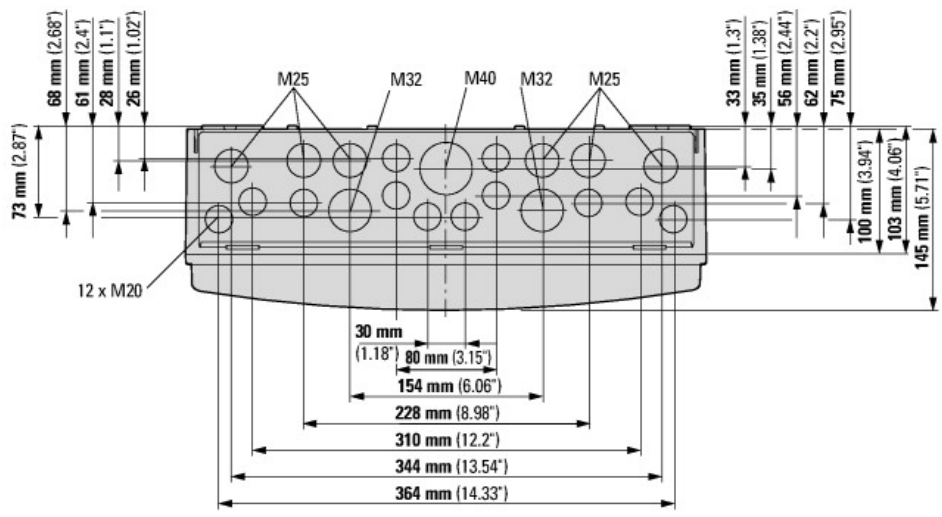
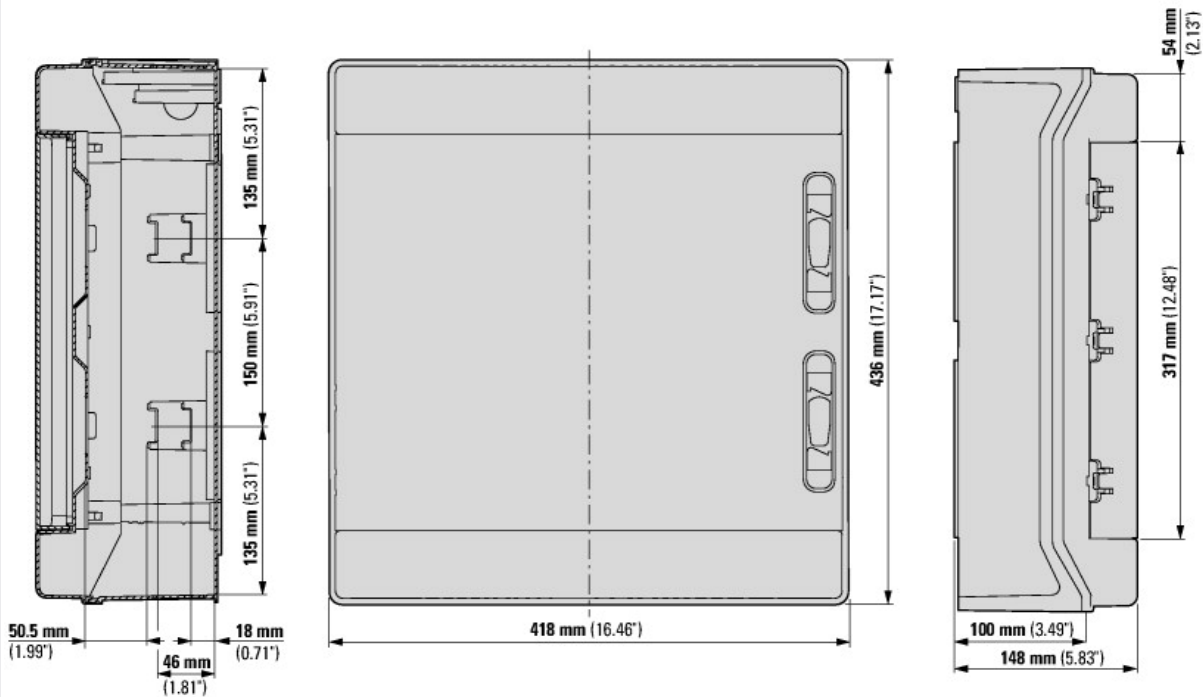
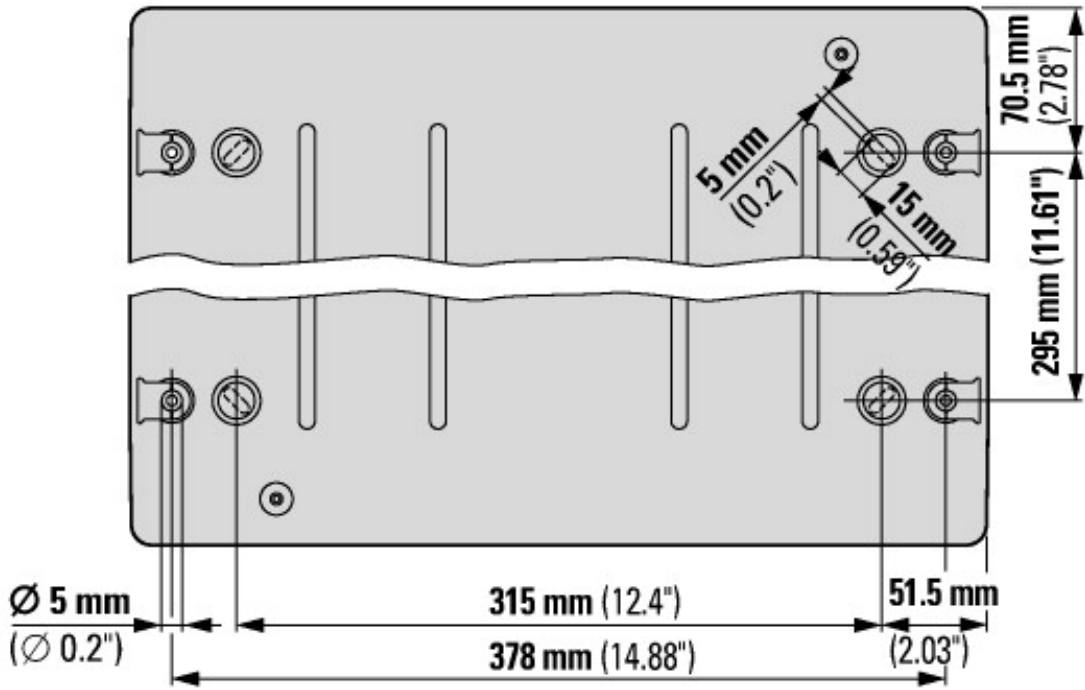
|   |                |    |    |
|---|----------------|----|----|
| Technical data for design verification  |                |    |    |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890 |                |    |    |
| Individual enclosure for wall mounting  | P <sub>v</sub> | CO | 36 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890 |                |    |    |
| Individual enclosure for wall mounting  | P <sub>v</sub> | CO | 72 |

|  |  |  |
|--|--|--|
| IEC/EN 61439 design verification   |  |  |
| 10.2 Strength of materials and parts   |  |  |
| 10.2.2 Corrosion resistance  |  | Meets the product standard's requirements.   |
| 10.2.3.1 Verification of thermal stability of enclosures   |  | Meets the product standard's requirements.   |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat   |  | Meets the product standard's requirements.   |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects |  | 850 °C; meets the product standard's requirements.   |
| 10.2.4 Resistance to ultra-violet (UV) radiation   |  | 1000 h of UV exposure as per ISO 4892-2; meets the product standard's requirements.  |
| 10.2.5 Lifting   |  | Does not apply to enclosures without lifting aids.   |
| 10.2.6 Mechanical impact   |  | IK08   |
| 10.2.7 Inscriptions  |  | Meets the product standard's requirements.   |
| 10.3 Degree of protection of ASSEMBLIES  |  | IP65   |
| 10.4 Clearances and creepage distances   |  | Is the panel builder's responsibility.   |
| 10.5 Protection against electric shock   |  | Protection class 2, therefore not applicable.  |
| 10.6 Incorporation of switching devices and components   |  | Is the panel builder's responsibility.   |
| 10.7 Internal electrical circuits and connections  |  | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors   |  | Is the panel builder's responsibility.   |
| 10.9 Insulation properties   |  |  |
| 10.9.2 Power-frequency electric strength   |  | $U_i = 1000 \text{ V AC}$  |
| 10.9.3 Impulse withstand voltage   |  | 3.3 kV   |
| 10.9.4 Testing of enclosures made of insulating material   |  | Meets the product standard's requirements.   |
| 10.10 Temperature rise   |  | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating   |  | Is the panel builder's responsibility.   |
| 10.12 Electromagnetic compatibility  |  | Is the panel builder's responsibility.   |
| 10.13 Mechanical function  |  | Meets the product standard's requirements.   |

## Technical data ETIM 6.0

|  |    |                  |
|--|----|------------------|
| Distribution boards (EG000023) / Small distribution board (EC000214)   |    |                  |
| Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss8.1-27-14-24-09 [ACN387008]) |    |                  |
| Mounting method  |    | Surface mounting |
| Number of rows   |    | 2                |
| Width in number of modular spacings  |    | 18               |
| Type of cover  |    | Door             |
| Cover model  |    | With notch       |
| Transparent cover/door   |    | Yes              |
| Material housing   |    | Plastic          |
| Height   | mm | 436              |
| Width  | mm | 418              |
| Depth  | mm | 145              |
| Built-in depth   | mm | 70               |
| Internal depth   | mm | 60               |
| DIN-rail   |    | Yes              |
| With mounting plate  |    | No               |
| Extension possible   |    | Yes              |
| EMC-version  |    | No               |
| Colour   |    | Grey             |
| RAL-number   |    | 7035             |
| Degree of protection (IP)  |    | IP65             |
| With lock  |    | No               |

# Dimensions



## Additional product information (links)

|   |   |
|---|---|
| <b>IL014003Z IKA compact distribution board</b> |   |
| IL014003Z IKA compact distribution board        | <a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL014003ZU2015_03.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL014003ZU2015_03.pdf</a>           |
| Product overview (Web)                          | <a href="http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm">http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm</a> |