

IKA standard distribution board, IP65 without clamps



Part no. IKA-1/8-0T Article no. 174205 Catalog No. IKA-1/8-0T

Delivery program

| Basic function | | Basic device |
|--|-------|---|
| Product function | | Installation distribution boards |
| Product range | | IKA standard DBO |
| Design | | Surface mounted |
| Installation site | | Indoor |
| Type of installation | | Surface mounting |
| Door/Flap | | Transparent |
| Degree of Protection | | IP65 |
| Colour | | Grey |
| Module rack | | Single-rail Single-rail |
| Shroud for protection against accidental contact | | Plastic |
| Rows | Count | 1 |
| Module units per row | | 8 |
| Description | | IP65 Protection Class II Plastic enclosure gray (RAL 7035) |
| Cable entries | | Metric cable entries on top and bottom, back plate |
| PE and N terminals design | | Without |
| Equipment supplied | | Basic device Device support rails Locking screws can be sealed Sealing caps Current circuit designation |

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 | Ue | V AC | 415 |
| Rated frequency | f | Hz | 50 |
| Material characteristics | | | |
| Material | | | ABS (plastic) |
| Colour | | | Grav (RAL 7035) |

| ····atorial | , 120 (p.astio) |
|---------------------|-----------------|
| Colour | Gray (RAL 7035) |
| Material properties | |

materiai 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_{V} | CO | 14 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | P_{V} | CO | 29 |
| 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. |

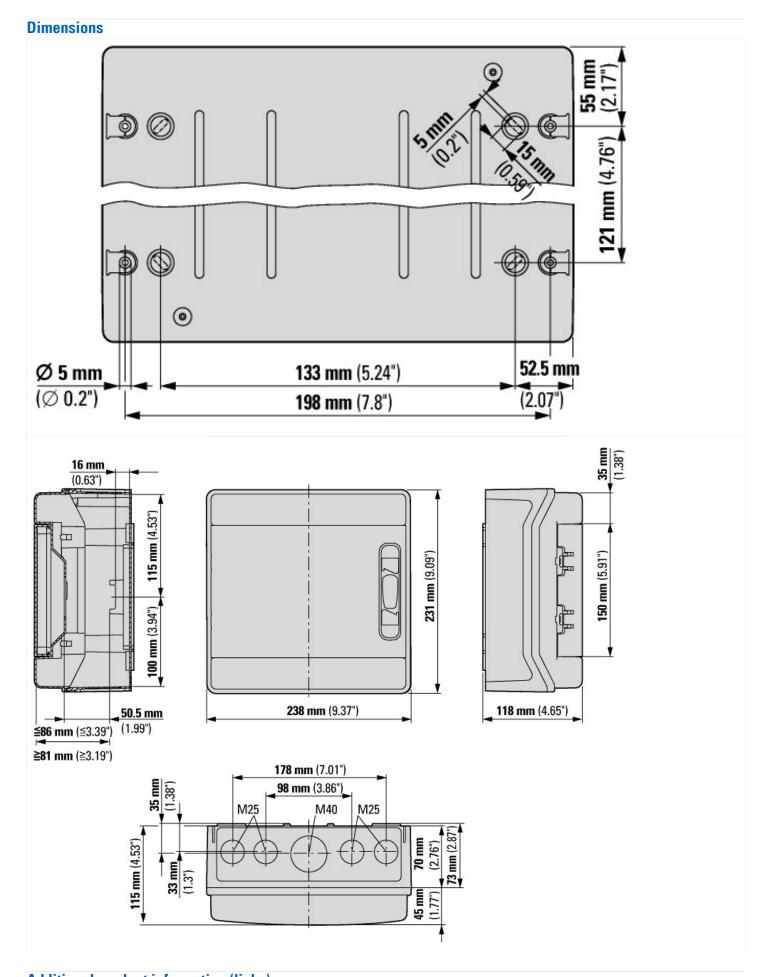
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | Meets the product standard's requirements. |
|--|--|
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects | 650 °C; meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | Not relevant to indoor installations. |
| 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 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])

| Number of rows I 1 Width in number of modular spacings 5 8 Type of cover 6 9 9 Cover model 7 With notch 1 Transparent cover/door 8 7 Plastic Material housing 9 1 Plastic Height mm 23 23 Width mm 15 3 Built-in depth mm 70 3 Internal depth mm 6 4 With mounting plate mm 6 4 With mounting plate mm 7 7 Extension possible mm 6 4 EMC-version mm 7 7 Colour mm 7 7 RAL-number mm 6 7 7 Degree of protection (IP) mm 6 7 7 8 Degree of protection (IP) mm 7 7 8 | (ECI@SS8.1-21-14-24-09 [ACIN387008]) | | |
|--|--------------------------------------|----|------------------|
| Width in number of modular spacings 8 Type of cover 100° Cover model With notch Transparent cover/door 10 Material housing 10 Height m 231 Width m 238 Depth m 15 Built-in depth m 0 Internal depth m 6 With mounting plate yes With mounting plate yes Extension possible yes EMC-version yes Colour yes RAL-number yes Degree of protection (IP) 7035 | Mounting method | | Surface mounting |
| Type of cover Door Cover model With notch Transparent cover/door Yes Material housing Plastic Height 31 Width mm 238 Depth mm 15 Built-in depth mm 70 Internal depth mm 60 DIN-rail Yes With mounting plate No No Extension possible Yes No EMC-version No Grey Colour Grey 7035 RAL-number 1965 1965 | Number of rows | | 1 |
| Cover model With notch Transparent cover/door Yes Material housing Image: Plastic Height 21 Width mm 23 Width mm 15 Built-in depth mm 70 Internal depth mm 60 DIN-rail Yes With mounting plate No Extension possible Yes EMC-version No Colour No RAL-number 7035 Degree of protection (IP) IP65 | Width in number of modular spacings | | 8 |
| Transparent cover/door Yes Material housing Plastic Height mm 231 Width mm 238 Depth mm 15 Built-in depth mm 70 Internal depth mm 60 DIN-rail Yes With mounting plate No Extension possible Yes EMC-version No Colour RAL-number Grey RAL-number 7035 Degree of protection (IP) 1965 | Type of cover | | Door |
| Material housing Image: Plastic Height mm 231 Width mm 238 Depth mm 115 Built-in depth mm 70 Internal depth mm 60 DIN-rail Yes With mounting plate No Extension possible Yes EMC-version No Colour No RAL-number 7035 Degree of protection (IP) 1P65 | Cover model | | With notch |
| Height mm 231 Width mm 238 Depth mm 115 Built-in depth mm 70 Internal depth mm 60 DIN-rail Yes With mounting plate No Yes Extension possible Yes Yes EMC-version No No Colour RAL-number To35 To35 Degree of protection (IP) Ple65 Ple65 | Transparent cover/door | | Yes |
| Width mm 38 Depth mm 115 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) 1965 | Material housing | | Plastic |
| Depth mm 115 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) 1P65 | Height | mm | 231 |
| Built-in depth Internal depth Intern | Width | mm | 238 |
| Internal depth DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) mm 60 ves No Ves No No Gerey Grey 7035 1065 | Depth | mm | 115 |
| DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) Yes Yes No Ges Grey 7035 P65 | Built-in depth | mm | 70 |
| With mounting plateNoExtension possibleYesEMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65 | Internal depth | mm | 60 |
| Extension possibleYesEMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65 | DIN-rail | | Yes |
| EMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65 | With mounting plate | | No |
| ColourGreyRAL-number7035Degree of protection (IP)IP65 | Extension possible | | Yes |
| RAL-number 7035 Degree of protection (IP) IP65 | EMC-version | | No |
| Degree of protection (IP) | Colour | | Grey |
| | RAL-number | | 7035 |
| With lock No | Degree of protection (IP) | | IP65 |
| | With lock | | No |



Additional product information (links)

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