DATASHEET - CI44E-200



Insulated enclosure, +knockouts, HxWxD=375x375x225mm



Part no. CI44E-200 Catalog No. 036182

EL-Nummer (Norway)

0004132082

Delivery program

| Delivery program | | |
|--|----|--|
| Dimensions | mm | |
| Product range | | xEnergy Safety Ci |
| Basic function | | Basic enclosures |
| Product function | | Individual enclosures |
| Single unit/Complete unit | | Single unit |
| Standards | | EN 62208 EN 61439-2 |
| Degree of Protection | | IP65 |
| Description | | With metric knockouts in all sides of the enclosure Include fixing straps for wall mounting Sealable cover fasteners Full-area knockouts in the sides can be converted to a distribution board enclosure Integrated pressure-relief mechanism for short-circuits |
| Colour | | RAL 7035, light gray (base) Transparent, smoky gray (cover) |
| Width | mm | 375 |
| Height | mm | 375 |
| Depth | mm | 225 |
| Mounting depth with mounting plate | mm | 200 |
| Mounting depth for mounting rail 7.5 mm height | mm | 192.5 |
| Mounting depth for mounting rail 15 mm height | mm | 185 |
| Enclosure depth | | |
| Legend for the graphic | | Dimensions from top: Mounting depth with mounting plate Mounting depth for mounting rail 7.5 mm height Mounting depth for mounting rail 15 mm height Enclosure depth |
| Enclosure depth | mm | |
| For use with | | Eaton Switching and protection devices |

Notes

F



1 x M50/32

2 x M40/25

8 x M25/16

2 x M20



1 x M63/40

6 x M25/16

10 x M20

2 x M16

Technical data General

| Standards | | EN 62208 EN 61439-2 |
|--------------------------|----|------------------------|
| Ambient temperature | °C | -40 - +80 |
| Degree of Protection | | IP65 |
| Material characteristics | | |

| Material | glass-fibre reinforced polycarbonate (base) non-reinforced polycarbonate (cover) Halogen free |
|---------------------|---|
| Surface treatment | Resistant to corrosion |
| Material properties | |

| Surface treatment | Resistant to corrosion |
|---|--|
| Material properties | |
| Thermal | |
| Temperature resistant | -40 °C - 120 °C (enclosure) 85 °C (enclosure bolt) 80 °C (gasket) |
| Chemical resistance | |
| Chemical resistant | Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene |
| Atmospheric | |
| Saline spray | IEC 60068-2-11 |
| UV resistance | Beneath protective shield |
| Flammability characteristics | |
| Flammability classification according to UL94 | V1 (base) V2 (cover) |

Design verification as per IEC/EN 61439

| Design verinication as per illo/liv 01433 | | | |
|---|---------|---|---|
| Technical data for design verification | | | |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | P_{V} | W | 31 |
| Starting enclosure for wall mounting | P_{V} | W | 29 |
| Middle enclosure for wall mounting | P_{V} | W | 27 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | P_{V} | W | 62 |
| Starting enclosure for wall mounting | P_{V} | W | 57 |
| Middle enclosure for wall mounting | P_{V} | W | 53 |
| 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 | | | Lower part: 960 °C / cover: 850 °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 | | | 20 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet. |
| 10.2.6 Mechanical impact | | | IK10 |
| 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 | 8 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 7.0

Distribution boards (EG000023) / Empty cabinet (EC000058)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Empty cabinet (small distribution board) (ecl@ss10.0.1-27-14-24-08 [ACN385011])

| Type of cover | | | |
|--|--------------------------------------|----|---------------------------|
| Cover model Closed Type of door None Transparent cover/door Yes With lock None Nonimal current (In) A 1600 Height mm 375 Width mm 375 Bull-in dight mm 200 Internal depth mm 200 Internal depth mm 200 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour mm 6 RAL-number po 10 Number of modular spacings po 1 Number of rows po 1 Number of modular spacings po 1 Number of compins for flange plates po 1 Extension possible possible yes Number of conduit inlets po 100 Nuther of conduit inlets po 100 Nuther of conduit inlets po 100 With moun | Mounting method | | Surface mounted (plaster) |
| Type of door None Transparent cover/door Yes With lock No Nominal current (In) A 1600 Height mm 375 Width mm 375 Depth mm 225 Bulli-in depth mm 200 Internal depth mm 200 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour mm 6 Number of modules mm 6 Number of modules mm 6 With in number of moduler spacings mm 1 With in number of openings for flange plates mm 4 Extension possible mm 100 Number of conduit infets mm 101 Muterial housing mm 9 Sufface protection mm 100 With mounting plate mm 100 With mounting protection mm 100 | Type of cover | | Optional |
| Transparent cover/door Yes With lock No Nominal current (In) A 1600 Height 375 375 Depth mm 25 Built-in depth mm 20 Internal depth mm 20 Plate thickness cabinet mm 6 Plate thickness cabinet mm 6 Plate thickness cobinet mm 6 Colour mm 6 RAL-number page 37 7035 Number of modules page 37 15 Number of modules page 37 15 Number of poenings for flange plates page 38 15 Extension possible page 38 12 Mumber of nodular spacings page 39 12 Without of conduit inlets page 39 12 Surface protection page 39 12 12 With mounting plate page 39 12 12 Suitable for judytning protection page 30 12 | Cover model | | Closed |
| With lock No Nominal current (In) A 1600 Height mm 375 With mm 225 Built-in depth mm 200 Internal depth mm 200 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour mm 6 RAL-number 7035 7035 Number of modules 1 1 Width in number of openings for flange plates 1 1 Extransion possible 1 1 Mumber of conduit inlets 1 1 Mumber of conduit inlets 1 1 Material housing 1 10 Surface protection 1 10 Material protection 1 10 With mounting plate 1 10 Suitable for lightning protection 1 10 Dagree of protection (IP) 2 1 Dagree of protection (IP) 1 </td <td>Type of door</td> <td></td> <td>None</td> | Type of door | | None |
| Nominal current (In) A 1600 Height mm 375 Width mm 375 Depth mm 25 Built-in depth mm 200 Internal depth mm 6 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour mm 6 RAL-number 7035 7035 Number of modules 1 1 Number of rows 1 1 Width in number of modular spacings 1 1 Number of conduit inlets 1 1 Number of conduit inlets 1 1 Material housing 1 1 Surface protection 1 1 With mounting plate 1 1 Suitable for uiddoru use 1 1 Suitable for uiddoru use 1 2 Suitable for uiddoru use 1 1 Suitable for uiddoru use 1 | Transparent cover/door | | Yes |
| Height mm 375 Width mm 375 Depth mm 25 Bull-in depth mm 200 Internal depth mm 200 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour mm 6 RAL-number 7035 7035 Number of modules 1 1 Number of forws 1 2 1 Width in number of modular spacings 1 3 1 Number of conduit inlets 1 4 2 With bir of penings for flange plates 4 2 4 2 Extrasion possible 1 100 4 2 100 4 2 10 4 2 10 4 2 10 4 2 10 4 2 10 4 2 10 4 2 10 4 2 10 4 2 | With lock | | No |
| Width mm 375 Depth mm 225 Built-in depth mm 200 Internal depth mm 200 Plete thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour Grey 6 Akl-number of 703 733 Number of modulas 1 1 Number of rows 1 1 Width in number of modular spacings 1 1 Number of openings for flange plates 1 1 Extension possible 1 1 Number of conduit inlets 1 1 Material housing 1 1 Surface protection 1 No With mounting plate 1 No Suitable for injuftning protection 1 1 Degree of protection (IP) 1 1 Degree of protection (NEMA) 1 1 Protection class 1 1 Impact strength | Nominal current (In) | Α | 1600 |
| Depth mm 25 Built-in depth mm 200 Internal depth mm 200 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour feet 6 RAL-number feet 7035 Number of modules feet 1 Number of rows feet 1 Width in number of modular spacings feet 15 Number of poenings for flange plates feet Yes Extension possible feet 100 Number of conduit inlets feet 100 Number of conduit inlets feet Yes Surface protection feet 100 With mounting plate feet 100 Suitable for uddoor use feet Yes Suitable for lightning protection feet 100 Degree of protection (IP) Feet 100 Degree of protection (IRMA) feet 100 Protection class <th< td=""><td>Height</td><td>mm</td><td>375</td></th<> | Height | mm | 375 |
| Built-in depth mm 200 Internal depth mm 200 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour grey 7035 RAL-number 7035 7035 Number of modules 1 1 Number of rows 0 1 Width in number of modular spacings 15 1 Number of penings for flange plates 1 2 4 Extension possible 1 9 9 Material housing 1 100 1 Material housing 1 100 1 Mumber of conduit inlets 1 100 1 Material housing 1 100 1 Mutation of conduit inlets 1 1 1 With mounting plate 1 1 1 1 Suitable for ingthning protection 2 1 2 2 2 2 2 2 2 < | Width | mm | 375 |
| Internal depth mm 200 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour mm 6 RAL-number 7035 7035 Number of modules 1 1 Number of modular spacings 1 1 Width in number of popenings for flange plates 1 4 Extension possible Yes 4 Number of conduit inlets 100 1 Material housing 1 1 Surface protection 1 1 With mounting plate No 1 Suitable for outdoor use Yes 2 Suitable for lightning protection 1 1 1 Degree of protection (IP) 1 1 1 1 Degree of protection (NEMA) 1 1 1 1 Impact strength 1 1 1 1 1 | Depth | mm | 225 |
| Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour Grey 7035 RAL-number 7035 7035 Number of modules 1 1 Number of moduler spacings 1 1 Width in number of modular spacings 1 1 Number of penings for flange plates 1 4 Extension possible 7 1 Number of conduit inlets 1 100 Material housing 1 1 Suitace protection 1 1 1 With mounting plate 1 1 1 Suitable for outdoor use 1 1 1 Suitable for lightning protection 1 1 1 Degree of protection (IP) 1 1 1 Degree of protection (NEMA) 1 1 1 Protection class 1 1 1 Impact strength 1 1 1 | Built-in depth | mm | 200 |
| Plate thickness door/cover mm 6 Colour Grey RAL-number 7035 Number of modules 1 Number of rows 0 Width in number of modular spacings 15 Number of openings for flange plates 4 Extension possible Yes Number of conduit inlets 100 Material housing Plastic Surface protection 0ther With mounting plate No Suitable for outdoor use Yes Suitable for lightning protection Yes Degree of protection (IP) Yes Degree of protection (NEMA) 10ther Protection class II Impact strength IK10 | Internal depth | mm | 200 |
| Colour Grey RAL-number 7035 Number of modules 1 Number of rows 0 Width in number of modular spacings 15 Number of openings for flange plates 4 Extension possible Yes Number of conduit inlets 100 Material housing Plastic Surface protection Other With mounting plate No Suitable for outdoor use Yes Suitable for lightning protection Yes Degree of protection (IP) Ple65 Degree of protection (NEMA) Other Protection class II Impact strength IKI0 | Plate thickness cabinet | mm | 6 |
| RAL-number 7035 Number of modules 1 Number of rows 0 Width in number of modular spacings 15 Number of openings for flange plates 4 Extension possible Yes Number of conduit inlets 100 Material housing Plastic Surface protection Other With mounting plate No Suitable for outdoor use Yes Suitable for lightning protection Yes Degree of protection (IP) IP65 Degree of protection (NEMA) Other Protection class II Impact strength IK10 | Plate thickness door/cover | mm | 6 |
| Number of modules 1 Number of rows 0 Width in number of modular spacings 15 Number of openings for flange plates 4 Extension possible Yes Number of conduit inlets 100 Material housing Plastic Surface protection Other With mounting plate No Suitable for outdoor use Yes Suitable for lightning protection Yes Degree of protection (IP) IP65 Degree of protection (NEMA) Other Protection class II Impact strength IK10 | Colour | | Grey |
| Number of rows Width in number of modular spacings Number of openings for flange plates Extension possible Number of conduit inlets Material housing Surface protection With mounting plate With mounting plate Suitable for outdoor use Suitable for lightning protection Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class Il Illingact strength | RAL-number | | 7035 |
| Width in number of modular spacings Number of openings for flange plates Extension possible Number of conduit inlets Num | Number of modules | | 1 |
| Number of openings for flange plates Extension possible Number of conduit inlets Number of conduit inlets Material housing Surface protection With mounting plate Suitable for outdoor use Suitable for outdoor use Suitable for protection Degree of protection (IP) Degree of protection (NEMA) Protection class Ill Impact strength | Number of rows | | 0 |
| Extension possible Number of conduit inlets Material housing Surface protection With mounting plate Suitable for outdoor use Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class Impact strength Yes Yes Ik10 | Width in number of modular spacings | | 15 |
| Number of conduit inlets Material housing Surface protection With mounting plate With mounting plate Suitable for outdoor use Suitable for lightning protection Pegree of protection (IP) Degree of protection (NEMA) Inpact strength Degree of Book and an | Number of openings for flange plates | | 4 |
| Material housing Surface protection With mounting plate Suitable for outdoor use Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class III Impact strength Plastic Other Protection (MEMA) Plastic Other Plastic Other Interval Plastic Other Interval Plastic Other Interval Plastic III IIII IIII IIII IIII IIII IIII II | Extension possible | | Yes |
| Surface protection With mounting plate Suitable for outdoor use Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class Impact strength Other Other Other INSI INSI Other INSI INSI Other INSI INSI INSI Other INSI | Number of conduit inlets | | 100 |
| With mounting plate Suitable for outdoor use Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class Impact strength No Yes Yes Other It II IK10 | Material housing | | Plastic |
| Suitable for outdoor use Suitable for lightning protection Yes Degree of protection (IP) Degree of protection (NEMA) Protection class Ill Impact strength Yes Yes Ves IP65 IR10 IK10 | Surface protection | | Other |
| Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class III Impact strength Yes Other IK10 | With mounting plate | | No |
| Degree of protection (IP) Degree of protection (NEMA) Protection class II Impact strength IP65 Other IK10 | Suitable for outdoor use | | Yes |
| Degree of protection (NEMA) Protection class II Impact strength IK10 | Suitable for lightning protection | | Yes |
| Protection class II Impact strength IK10 | Degree of protection (IP) | | IP65 |
| Impact strength IK10 | Degree of protection (NEMA) | | Other |
| | Protection class | | II |
| Circuit integrity Other | Impact strength | | IK10 |
| | Circuit integrity | | Other |

Dimensions

