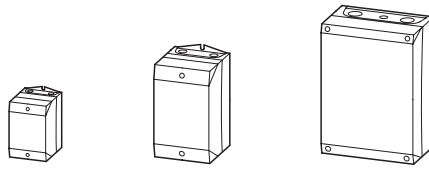


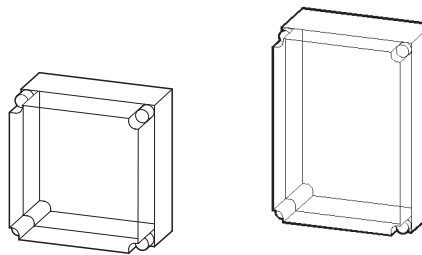
CI Insulating Material Enclosures totally insulated
 Overview

CI-K Small enclosures



| | Page |
|------------------------------|-------------|
| CI-K small enclosures | 11/004 |
| Basic enclosures | 11/004 |
| Mounting systems | 11/006 |
| Accessories | 11/006 |
| Technical data | 11/015 |
| Dimensions | 11/018 |

CI Enclosures

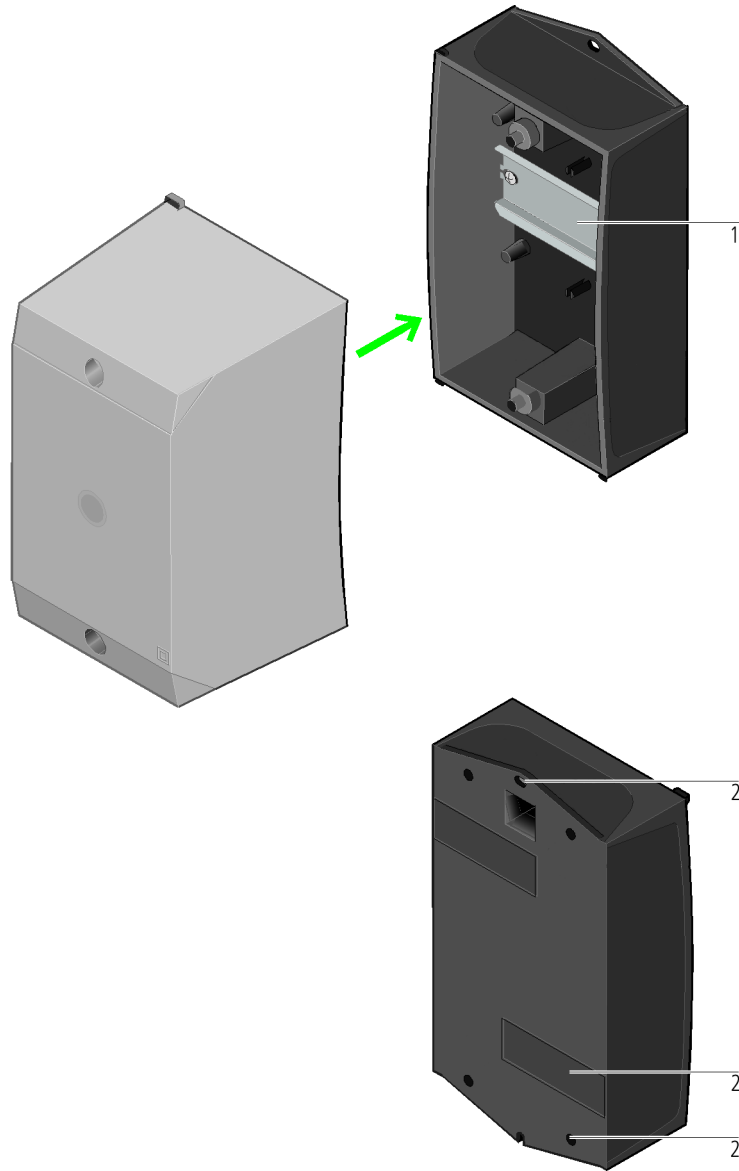


| | Page |
|---------------------------------|-------------|
| CI enclosures | 11/014 |
| with lift-off cover and flanges | 11/008 |
| with hinged door and flanges | 11/009 |
| with lift-off cover | 11/010 |
| with hinged door | 11/011 |
| Accessories | 11/012 |
| Mounting systems | 11/013 |
| Enclosure assembly | 11/014 |
| Technical data | 11/016 |
| Dimensions | 11/020 |

Insulating Material Enclosures System Overview

totally insulated

Insulating Material Enclosures



Insulating Material Enclosures

totally insulated

System Overview

CI-K Small Insulating Material Enclosures

Degree of protection: NEMA, UL, CSA
Type 12, 13, 3R, 4X

Four basic sizes
(area of enclosure base)

Two mounting depths per size

Enclosures made of glass-fibre reinforced self-extinguishing polycarbonate, halogen-free

Captive gasket

Enclosure base black (matt) RAL 9005
Enclosure cover light gray (matt) RAL 7035

Conduit entries

All CI-K....-NA enclosures are flat-sided and without knockout. Drilling to suit (drill starts provided).

Mounting system for basic enclosures 1

Mounting rails to EN 50 022

Steel mounting plates

Accessories for mounting systems

→ page 11/006

Mounting 2

Holes for mounting the enclosures to the wall vertically or horizontally

Captive cover screws

External mounting bracket on CI-K4 and CI-K5

→ page 11/006

Enclosure for mounting devices

Supplementary protectors

Cam switches

Contactors

"Easy" control relay

Timing relays

Control circuit devices

CI Insulating Material Enclosures

Degree of protection: NEMA, UL, CSA
Type 12, 13, Indoor 4X, IP 65

Five frame sizes:

Width: $\geq 187.5 \leq 375$ mm

Height: $\geq 250 \leq 750$ mm

Depth: $\geq 150 \leq 275$ mm

Cover fastener with position indication I/O
Can be sealed, pressure release by means of integral spring

Transparent cover with/without door
Non-transparent cover light gray (matt) RAL 7035

→ page 11/009

Mounting system for basic enclosures 1

Mounting rails to EN 50 022

Steel mounting plates

Accessories for mounting systems

→ page 11/013

- Laser inscription
The covers of CI-K small enclosures can be inscribed to suit your own requirements: abrasion-proof and durable, using modern laser inscription techniques. Please inquire.

- Cutouts in CI-K enclosure covers
Cutouts in the enclosure cover can be milled according to your requirements. Please inquire.

CI-K Small Insulating Material Enclosures Basic Enclosures

Insulating Material Enclosures

| Dimensions | Depth of enclosure Mounting plate Mounting rail | Features | Type Article No. | Price see price list |
|--|---|---------------------|-----------------------------------|-------------------------|
| mm | mm | | | |
| CI-K basic enclosures | | | | |
| <ul style="list-style-type: none"> • Degree of protection NEMA, UL, CSA Type 12, 13, 3R, 4X • Enclosure base RAL 9005, black; enclosure top RAL 7035, light gray • For laser inscription and cutouts in enclosure top, please inquire | | | | |
| | | with mounting rail | CI-K2X-100-TS-NA 231220 | |
| | | with mounting plate | CI-K2X-100-M-NA 231228 | |
| | | with mounting rail | CI-K2X-145-TS-NA 231221 | |
| | | with mounting plate | CI-K2X-145-M-NA 231229 | |
| | | with mounting rail | CI-K3X-125-TS-NA 231222 | |
| | | with mounting plate | CI-K3X-125-M-NA 231230 | |
| | | with mounting rail | CI-K3X-160-TS-NA 231223 | |
| | | with mounting plate | CI-K3X-160-M-NA 231231 | |
| | | with mounting rail | CI-K4X-125-TS-NA 231224 | |
| | | with mounting plate | CI-K4X-125-M-NA 231232 | |
| | | with mounting rail | CI-K4X-160-TS-NA 231225 | |
| | | with mounting plate | CI-K4X-160-M-NA 231233 | |

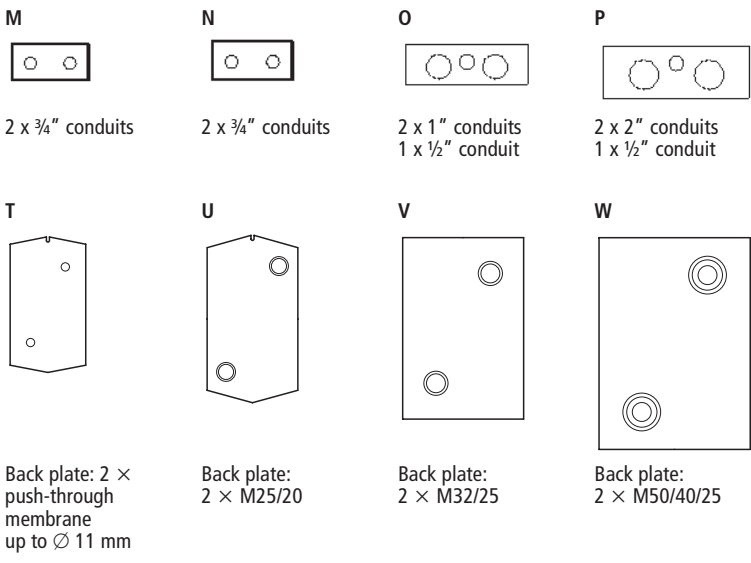
CI-K Small Insulating Material Enclosures

Basic Enclosures

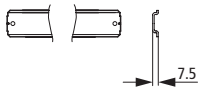
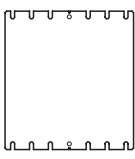
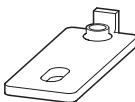
| Dimensions | Depth of enclosure Mounting plate mounting rail | Features | Type Article No. | Price see price list |
|-----------------------------|---|---------------------|-----------------------------------|-------------------------|
| mm | mm | | | |
| CI-K basic enclosure | | | | |
| | | with mounting rail | CI-K5X-125-TS-NA 231226 | |
| | | with mounting plate | CI-K5X-125-M-NA 231234 | |
| | | with mounting rail | CI-K5X-160-TS-NA 231227 | |
| | | with mounting plate | CI-K5X-160-M-NA 231236 | |

Notes:

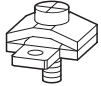
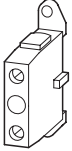

All CI-K....-NA enclosures are flat sided and without conduit knockouts. Diagrams below show recommended drilling locations and maximum size of conduit entry.



CI-K Small Insulating Material Enclosures Mounting Systems, Accessories

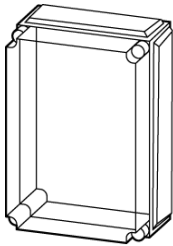
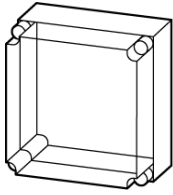
| | For use with | Type Article No. | Price see price list |
|--|--|-----------------------------|-------------------------|
| Mounting rails to EN 50 022 | | | |
| Height 7.5 mm, with mounting screws | | | |
|  | CI-K2 crosswise, useful length 82 mm | TS-CI-K2 206902 | |
| | CI-K3 lengthwise and crosswise, useful length 98 mm | TS-CI-K3 206903 | |
| | CI-K4 crosswise, useful length 133 mm | TS-CI-K4 206904 | |
| | CI-K5 lengthwise and crosswise, CI-K4 lengthwise, useful length 173 mm | TS-CI-K5 206905 | |
| Mounting plates | | | |
| 2 mm steel with mounting screws | | | |
|  | for CI-K2 | M-CI-K2-NA | |
| | for CI-K3 | M-CI-K3 206907 | |
| | for CI-K4 | M-CI-K4 206908 | |
| | for CI-K5 | M-CI-K5 206909 | |
| Accessories for mounting systems | | | |
| Spacers for raising mounting systems in CI-K3 to CI-K5 (4 required for mounting plate, 2 required for mounting rail) | | | |
| | by 10 mm | ADT200-190 002289 | |
| | by 15 mm | ADT125-110 002290 | |
| | by 25 mm | HS25-CI 002291 | |
| | by 50 mm | HS50-CI 002292 | |
| External mounting bracket kit | | | |
|  | To secure CI-K4 and CI-K5 directly to the wall. Each kit contains for 4 brackets. | AB-CI-K4/5 206914 | |

CI-K Small Insulating Material Enclosures Mounting Systems, Accessories

| For use with | Type Article No. | Price see price list |
|--|---------------------|-------------------------|
| N terminals, ground terminals | | |
| can be screwed onto support bosses in enclosure base plate | | |
|  for CI-K2 | K-CI-K1/2 207451 | |
| for CI-K3 | K-CI-K3 206915 | |
| for CI-K4 | K-CI-K4 206916 | |
| for CI-K5 | K-CI-K5 218488 | |
| Insulated individual terminals | | |
| <ul style="list-style-type: none"> • with ground, N adhesive labels • for snap-mounting onto mounting rail • for screw mounting onto support bosses in enclosures CI-K3 and CI-K4 | | |
|  32 A, flexible 1,5 – 6 mm ² | K10/1 093827 | |
| 63 A, flexible, 6 – 16 mm ² | K25/1 096200 | |
| 100 A, flexible 10 – 35 mm ² | K50/1 098573 | |
| BA 9s indicating lights, conical | | |
| for mounting into drilled opening in base for filament and neon bulbs up to 2,4 W (→ page 05/042) | | |
|  red | L-R 208689 | |
| white | L-W 208692 | |
| green | L-G 208690 | |
| yellow | L-Y 208691 | |

CI Insulating Material Enclosures With Lift-off Cover and Flanges

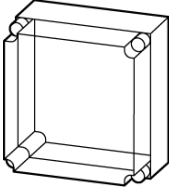
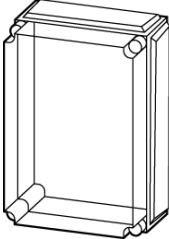
| | Dimensions | | | Mounting depth | Type Article No. | Price see price list |
|--|-------------|--------|-------|----------------|-------------------------------------|-------------------------------------|
| | Width mm | Height | Depth | mm | | |
| <ul style="list-style-type: none"> • UL listed, CSA approved • Degrees of protection: IEC/EN 60 529: IP 65 NEMA UL 508, CSA C22.2 No. 94: Type 12, 13 4X indoor • Transparent cover, cover fasteners can be sealed • Base RAL 7032 (pebble gray), equipped on all four sides with removable smooth flanges • Mounting bracket for wall mounting | 234 | 296 | 150 | 125 | CI23-125-NA 002234 | |
| | | | 175 | 150 | CI23-150-NA 002237 | |
| | 421 | 296 | 150 | 125 | CI43-125-NA 002238 | |
| | | | 175 | 150 | CI43-150-NA 002241 | |
| | | 421 | 150 | 125 | CI43-200-NA 002242 | |
| | | | | 175 | 150 | CI44-125-NA 002245 |
| | | 796 | 225 | 200 | CI44-150-NA 002246 | |
| | | | | 275 | 225 | CI44-200-NA 002249 |
| | | 796 | 225 | 200 | CI44-250-NA 002250 | |
| | | | | 275 | 250 | CI48-200-NA ¹⁾ 002253 |
| | | | | | CI48-250-NA ¹⁾ 002254 | |



Notes:

¹⁾ Type 12, 13 only

CI Insulating Material Enclosures With Hinged Door and Flanges

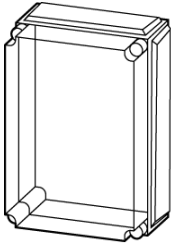
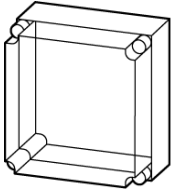
| | Dimensions | | | Mounting depth mm | Type Article No. | Price see price list |
|---|-------------|--------|-------|--------------------------|--------------------------|-------------------------|
| | Width mm | Height | Depth | | | |
| <ul style="list-style-type: none"> • UL listed, CSA approved • Degrees of protection: IEC/EN 60 529: IP 65 NEMA UL 508, CSA C22.2 No. 94: Type 12, 13 • Transparent cover, cover fasteners can be sealed • Base RAL 7032 (pebble gray), equipped on all four sides with removable smooth flanges • Mounting bracket for wall mounting, 180° door opening angle | 234 | 296 | 166 | 125 | CI23-125/T-NA 002235 | |
| | | | 191 | 150 | CI23-150/T-NA 002236 | |
|   | 421 | 296 | 166 | 125 | CI43-125/T-NA 002239 | |
| | | | 191 | 150 | CI43-150/T-NA 002240 | |
| | | | 241 | 200 | CI43-200/T-NA 002243 | |
| | | 421 | 166 | 125 | CI44-125/T-NA 002244 | |
| | | | 191 | 150 | CI44-150/T-NA 002247 | |
| | | | 241 | 200 | CI44-200/T-NA 002248 | |
| | | | 291 | 225 | CI44-250/T-NA 002251 | |
| | | 796 | 241 | 200 | CI48-200/T-NA 002252 | |
| | | | 291 | 250 | CI48-250/T-NA 002255 | |
| | | | 241 | 200 | CI48-200/2T-NA 002256 | |
| | | 291 | 250 | CI48-250/2T-NA 002257 | | |

Notes:

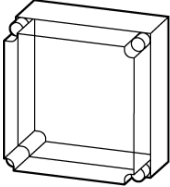
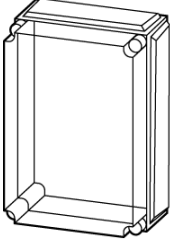
- Door hinges can be mounted to the left, right, top or bottom as required
- Mounting bracket for wall mounting

CI Insulating Material Enclosures With Lift-off Cover

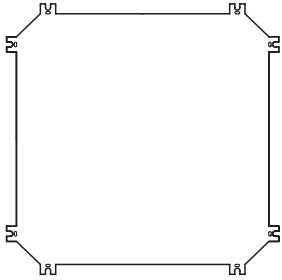
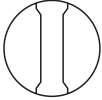
| | Dimensions | | | Mounting depth | Type Article No. | Price see price list | |
|---|-------------|--------|-------|----------------|------------------------|-------------------------|--|
| | Width mm | Height | Depth | mm | | | |
| <ul style="list-style-type: none"> • UL listed, CSA approved • Degrees of protection: IEC/EN 60 529: IP 65 NEMA UL 508, CSA C22.2 No. 94: Type 12, 13, 4X indoor • Transparent cover, cover fasteners can be sealed • Base RAL 7032 (pebble gray), with smooth side walls • Mounting bracket for wall mounting | 187.5 | 250 | 150 | 125 | CI23X-125-NA 002209 | | |
| | | | 175 | 150 | CI23X-150-NA 002212 | | |
| | 375 | 250 | 150 | 125 | CI43X-125-NA 002213 | | |
| | | | 175 | 150 | CI43X-150-NA 002232 | | |
| | 375 | 250 | 225 | 200 | CI43X-200-NA 002217 | | |
| | | | 150 | 125 | CI44X-125-NA 002218 | | |
| | | | 175 | 150 | CI44X-150-NA 002219 | | |
| | | | 225 | 200 | CI44X-200-NA 002220 | | |
| | | | | 275 | 250 | CI44X-250-NA 002224 | |



CI Insulating Material Enclosures With Hinged Door






| | Dimensions | | | Mounting depth mm | Type Article No. | Price see price list |
|--|-------------|--------|-------|----------------------|--------------------------|-------------------------|
| | Width mm | Height | Depth | | | |
| <ul style="list-style-type: none"> • UL listed, CSA approved • Degrees of protection: IEC/EN 60 529: IP 65 NEMA UL 508, CSA C22.2 No. 94: Type 12, 13 • Transparent cover, cover fasteners can be sealed • Base RAL 7032 (pebble gray) with smooth side walls • Transparent door with cover locks and 180° door opening angle • Mounting bracket for wall mounting | 187.5 | 250 | 166 | 125 | CI23X-125/T-NA 002210 | |
| | | | 191 | 150 | CI23X-150/T-NA 002211 | |
|  | 375 | 250 | 166 | 125 | CI43X-125/T-NA 002214 | |
| | | | 191 | 150 | CI43X-150/T-NA 002215 | |
| | | | 241 | 200 | CI43X-200/T-NA 002216 | |
| | | | 166 | 125 | CI44-125/T-NA 002233 | |
|  | | 375 | 191 | 150 | CI44X-150/T-NA 002222 | |
| | | | 241 | 200 | CI44X-200/T-NA 002221 | |
| | | | 291 | 250 | CI44X-250/T-NA 002223 | |

**Basic Enclosures
Accessories**

| | For use with | Type Article No. | Price see price list |
|--|--|--------------------------|-------------------------|
| Mounting plates | | | |
| including 4 captive mounting screws | | | |
| Galvanized steel, 3mm thick | | | |
|  | CI23 enclosures | M3-CI23 019709 | |
| | CI43 enclosures | M3-CI43 029201 | |
| | CI44 enclosures | M3-CI44 031574 | |
| | CI48 enclosures | M3-CI48 036320 | |
| Set of cover hinges | | | |
| <ul style="list-style-type: none"> • for CI...X individual enclosures • for CI... panel enclosures: at the sides when no flange is mounted | | | |
| Quantity: 2 per set | CI23 : 1 set CI43 : 1 set CI44 : 1 set CI48 : 1 set | DSCH-CI 034224 | |
| Handle | | | |
| <ul style="list-style-type: none"> • Quick-release fastener for opening the enclosure manually | | | |
|  | CI23(...) -125, -150 : 4 | HG-CI 046382 | |
| | CI43(...) -125, -150 : 4 | | |
| | CI44(...) -125, -150 : 4 | | |



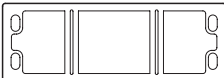

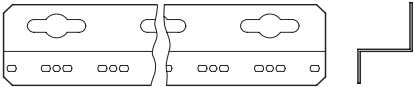
Accessories

Mounting Systems for Basic Enclosures

| For use with | Type Article No. | Price see price list |
|---|---|-----------------------------|
| Flanges | | |
| <ul style="list-style-type: none"> Captive sponge-rubber gasket Rapid assembly using wedge-lock fasteners (included as standard) | | |
| Drill as required | | |
|  | for enclosure dimension 375 mm | FL4-X-NA 208309 |
| | for enclosure dimension 250 mm | FL3-X-NA 012462 |
| | for enclosure dimension 187.5 mm | FL2-X-NA 208310 |
| | for enclosure dimension 125 mm | FL1-X 078933 |
| Spacers | | |
| <ul style="list-style-type: none"> To add 25 mm height to the connection space | | |
|  | for mounting to 250mm enclosure side, for FL3-... flanges | ZRF3-NA 012479 |
| | for mounting to 375 mm enclosure side, for FL4-... flanges | ZRF4 070107 |
| Module mounting rail | | |
| <ul style="list-style-type: none"> Useful length 330 mm for enclosure dimension 375 mm Galvanized steel, 3 mm thick Mounting screws included | | |
|  | Horizontal | CI43 CI44 CI48 |
| | Vertical | CI44 |
| Mounting rails to EN 50 022 | | |
| <ul style="list-style-type: none"> Galvanized steel 2 captive mounting screws included | | |
| Height 7.5 mm | | |
|  | Useful length 145 mm for enclosure dimension 187.5 mm | CL2 029064 |
| | Useful length 207 mm for enclosure dimension 250 mm | CL3 033810 |
| | Useful length 332 mm for enclosure dimension 375 mm | CL4 038556 |
| Height 15 mm | | |
|  | Useful length 145 mm for enclosure dimension 187.5 mm | CL2-15 031437 |
| | Useful length 207 mm for enclosure dimension 250 mm | CL3-15 036183 |
| | Useful length 332 mm for enclosure dimension 375 mm | CL4-15 040929 |
| Accessories for mounting systems | | |
| Spacers to raise mounting systems (4 required for mounting plate, 2 required for mounting rail) | by 25 mm | HS25-CI 002291 |
| | by 50 mm | HS50-CI 002292 |
| | by 10 mm | ADT200-190 002289 |
| | by 15 mm | ADT125-110 002290 |

Accessories

Enclosure Assembly

| | For use with | Type Article No. | Price see price list |
|--|--|---------------------------|-------------------------|
| Assembly kits | | | |
| To connect enclosures to one another, wedge-lock fasteners included | | | |
|  | For enclosure dimension 187.5 mm | BS2-CI 090750 | |
|  | For enclosure dimension 250 mm For enclosure dimension 500 mm, use 2 kits | BS3-CI 097869 | |
|  | For enclosure dimension 375 mm For enclosure dimension 750 mm, use 2 kits | BS4-CI 014815 | |
| Flange adapter | | | |
| For use when connecting enclosures with sides of different lengths | | | |
|  | | FT-CI 002319 | |
| Mounting brackets | | | |
| <ul style="list-style-type: none"> • For securing CI enclosures directly to the wall • For up to 4 x CI43-... enclosures | | | |
| | Each kit comprises 4 straps | BL-CI 036168 | |
| Steel version | | | |
| Plated steel for added corrosion resistance | Each kit comprises 4 straps | BL-CI-VA 038541 | |
| Wall mounting profile frame | | | |
| <ul style="list-style-type: none"> • For securing CI enclosures at a distance of 50 mm from the wall • Attach one wall mounting bracket to every second enclosure across the width; for transport purposes add more brackets at the bottom | | | |
|  | Section length 2125 mm, cut to fit | W16/32 090146 | |
| | Max. 2 x CI43, one above the other | W4/8 048755 | |
| | Max. 2 x CI44, one above the other | W6/12 051128 | |
| | Max. 4 x CI43, one above the other | W8/16 053501 | |
| | Max. 5 x CI43, one above the other | W10/20 055874 | |

CI-K Small Insulating Material Enclosures

Technical Data

| | CI-K2 | CI-K3 | CI-K4 | CI-K5 |
|-------------------------------------|---|-------------|-------------|-------------|
| General | | | | |
| Standards | UL, CSA, IEC/EN 60 529, DIN 43 656, DIN 43 660, EN 50 262 | | | |
| Climatic proofing | Damp heat, constant, to IEC EN 60 068-2-3 Damp heat, cyclical, to IEC EN 60 068-2-30 | | | |
| Ambient temperature | -25/+70 | | | |
| Degree of protection | IP 65, 12, 13, 4X | | | |
| Dissipatable heat loss | → page 11/017 | | | |
| Material | | | | |
| Material for base/cover | Thermoplastic | | | |
| Surface treatment | Glass-fibre reinforced polycarbonate | | | |
| Color | Resistant to corrosion | | | |
| Base | Black (matt) RAL 9005 | | | |
| Cover | Light Gray (matt) RAL 7035 | | | |
| Material characteristics | | | | |
| Electrical | | | | |
| Creepage resistance to IEC 60 112 | | | | |
| Base, cover | CTI 175 | CTI17 | CTI 175 | CTI 175 |
| Surface resistance to IEC 60 093 | $> 10^{13}$ | $> 10^{13}$ | $> 10^{13}$ | $> 10^{13}$ |
| Dielectric strength to IEC 60 243-1 | 30 | 30 | 30 | 30 |
| Thermal | | | | |
| Continuous thermal stability | | | | |
| Enclosure | -40/+120 | -40/+120 | -40/+120 | -40/+120 |
| Gasket | -40/+80 | -40/+80 | -40/+80 | -40/+80 |
| Mechanical | | | | |
| IK Code to EN 50 102 | please inquire | | | |
| Weight of components mounted | | | | |
| per mounting rail | 0,7 | 0,85 | 0,75 | 0,65 |
| with mounting plate | 0,7 | 0,85 | 0,9 | 1 |
| Chemical | | | | |
| 1 Δ resistant | | | | |
| 2 Δ partially resistant | | | | |
| 3 Δ non-resistant | | | | |
| | Base, cover | | | |
| Acids > 10 % | 2 | | | |
| Acids < 10 % | 1 | | | |
| Alkalis > 10 % | 3 | | | |
| Alkalis < 10 % | 3 | | | |
| Mineral oil | 1 | | | |
| Alcohol | 2 | | | |
| Petrol | 1 | | | |
| Grease | 1 | | | |
| Saline solution | 1 | | | |
| Paraffin | 3 | | | |
| Atmospheric | | | | |
| Saline spray test | IEC 60 068-2-11 | | | |
| UV resistance | beneath protective shield | | | |
| Water absorption to EN ISO 62 | 0.29 | | | |
| Flammability characteristics | | | | |
| Glow wire test to IEC/EN 60 695-2 | Thickness 960/1 mm | | | |
| UL 94 | VO/1,5 mm thick | | | |
| Halogen-free | yes | | | |

CI Insulating Material Enclosures

Technical Data

| | | CI23... | CI43... | CI44... | CI48... |
|-------------------------------------|--------------|---|-------------------|-------------------|-------------------|
| General | | | | | |
| Standards | | UL, CSA, IEC/EN 60 529, EN 50 262, DIN 43 656, DIN 43 660 | | | |
| Climatic proofing | | Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-2-30 | | | |
| Ambient temperature | min./max. °C | -40/+80 | -40/+80 | -40/+80 | -40/+80 |
| Degree of protection | | IP 65 | IP 65 | IP 65 | IP 65 |
| Dissipatable heat loss | | → page 11/017 | | | |
| Material | | | | | |
| Material | | Thermoplastic | | | |
| Base | | Glass-fibre reinforced polycarbonate | | | |
| Cover | | Polycarbonate, not reinforced | | | |
| Surface treatment | | Resistant to corrosion | | | |
| Color | | | | | |
| Base | | Pebble gray, RAL 7032 | | | |
| Cover | | Transparent, colorless or pebble gray, RAL 7032 | | | |
| Material characteristics | | | | | |
| Electrical | | | | | |
| Creepage resistance to IEC 60 112 | | | | | |
| Base | | KB 160, KC 175 | | | |
| Cover | | KB 100, KC 200 | | | |
| Surface resistance to IEC 60 093 | Ω | >10 ¹³ | >10 ¹³ | >10 ¹³ | >10 ¹³ |
| Dielectric strength to IEC 60 243-1 | kV/mm | 30 | 30 | 30 | 30 |
| Thermal | | | | | |
| Continuous thermal stability | | | | | |
| Enclosure | °C | -40/+120 | -40/+120 | -40/+120 | -40/+120 |
| Enclosure bolt | °C | +85 | +85 | +85 | +85 |
| Gasket | °C | +80 | +80 | +80 | +80 |
| Chemical | | | | | |
| 1 △ resistant | | | | | |
| 2 △ partially resistant | | | | | |
| 3 △ non resistant | | | | | |
| | | Base, cover | | | |
| Acids > 10 % | | 2 | | | |
| Acids < 10 % | | 1 | | | |
| Alkalis > 10 % | | 3 | | | |
| Alkalis < 10 % | | 3 | | | |
| Mineral oil | | 1 | | | |
| Alcohol | | 1 | | | |
| Petrol | | 1 | | | |
| Grease | | 1 | | | |
| Saline solutions | | 1 | | | |
| Paraffin | | 3 | | | |
| Atmospheric | | | | | |
| Saline spray test | | IEC 60 068-2-11 | | | |
| UV resistance | | beneath protective shield | | | |
| Water absorption to EN ISO 62 | % | 0.29 | | | |
| Flammability characteristics | | | | | |
| Glow wire test to IEC/EN 60 695-2 | °C | 960 | | | |
| UL | | | | | |
| Base | | UL 94 V 1 | | | |
| Cover | | UL 94 V 2 | | | |
| Halogen-free | | yes, (base and cover) | | | |

CI-K Small Enclosures, CI Insulating Material Enclosures

Technical Data

| CI-K Small Enclosures | CI-K... | | |
|--|--------------|--|------------------------|
| Dissipatable heat loss | Type | Dimensions W × H × D mm | Heat loss W |
| Max. dissipatable heat loss of CI-K insulated enclosures for separate mounting, ambient temperature +20°C | CI-K2-100 | 100 x 181 x 100 | 12.5 |
| | CI-K2-145 | 100 x 181 x 145 | 18.5 |
| | CI-K3-125 | 120 x 222 x 125 | 21.5 |
| | CI-K3-160 | 120 x 222 x 160 | 25.5 |
| | CI-K4-125 | 160 x 240 x 125 | 26 |
| | CI-K4-160 | 160 x 240 x 160 | 29.5 |
| | CI-K5-125 | 200 x 280 x 125 | 35 |
| | CI-K5-160 | 200 x 280 x 160 | 41 |
| CI Insulated Enclosures | CI... | | |
| Dissipatable heat loss | Type | Dimensions W × H × D mm | Heat loss W |
| Max. dissipatable heat loss of CI insulated enclosures for separate mounting, ambient temperature +20°C | CI23...-125 | 187,5 × 250 × 150 | 33 |
| | CI23...-150 | 187,5 × 250 × 175 | 36 |
| | CI43...-125 | 375 × 250 × 150 | 46 |
| | CI43...-150 | 375 × 250 × 175 | 50 |
| | CI43...-200 | 375 × 250 × 225 | 56 |
| | CI44...-125 | 375 × 375 × 150 | 66 |
| | CI44...-150 | 375 × 375 × 175 | 68 |
| | CI44...-200 | 375 × 375 × 225 | 72 |
| | CI44...-250 | 375 × 375 × 275 | 78 |
| | CI48...-200 | 375 × 750 × 225 | 138 |
| | CI48...-250 | 375 × 750 × 275 | 164 |
| Max. dissipatable heat loss of CI insulated enclosures when used in distribution boards to IEC/EN 60 439-1 | CI23-... | 187,5 × 250 × 150 187,5 × 250 × 175 | 25 |
| | CI43-... | 375 × 250 × 150 375 × 250 × 175 375 × 250 × 225 | 42 |
| | CI44-... | 375 × 375 × 150 375 × 375 × 175 375 × 375 × 225 375 × 375 × 275 | 54 |
| | CI48-... | 375 × 750 × 225 375 × 750 × 275 | 93 |

Notes

When calculating the heat dissipation, the quadratic relationship to the current at the rated diversity factor α must be considered

$$P_v = I^2 \xi R$$

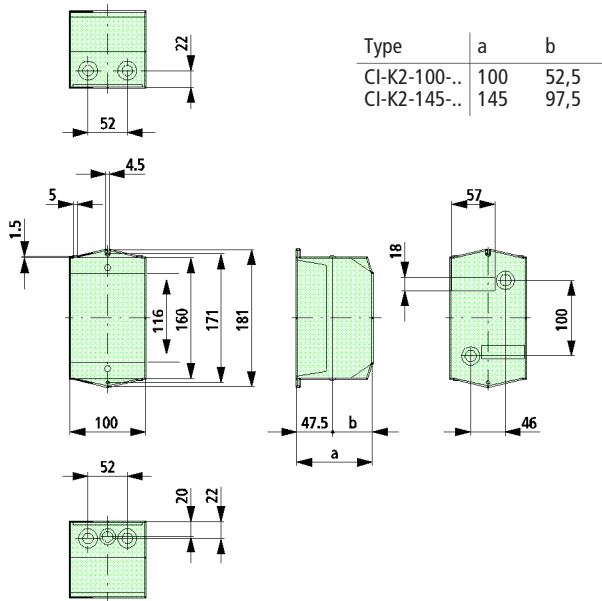
$$P_v' = P_v \times \alpha^2$$

Where no data are available concerning the loading conditions of the individual circuits, the rated diversity factor is selected in accordance with IEC/EN 60 439-1.

CI-K Small Enclosures Dimensions

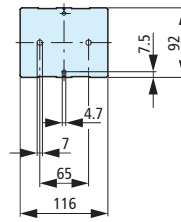
CI-K small enclosures

CI-K2-...¹⁾



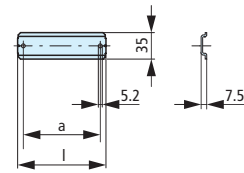
Mounting plate

M-CI-K2



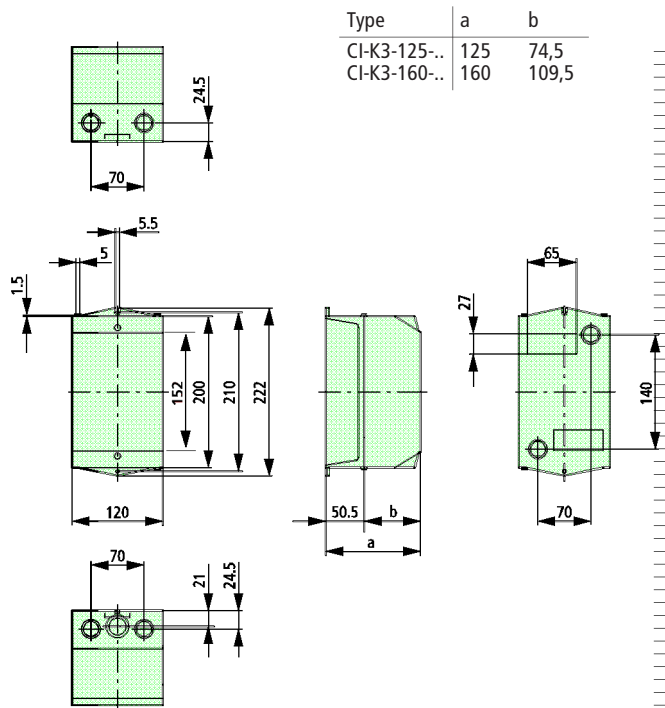
Mounting rail

TS-CI-K2



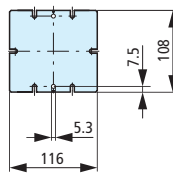
| a | l |
|----|----|
| 77 | 92 |

CI-K3-...¹⁾



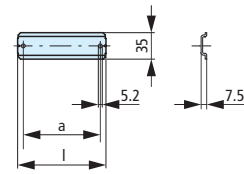
Mounting plate

M-CI-K3



Mounting rail

TS-CI-K3



| a | l |
|----|-----|
| 93 | 108 |

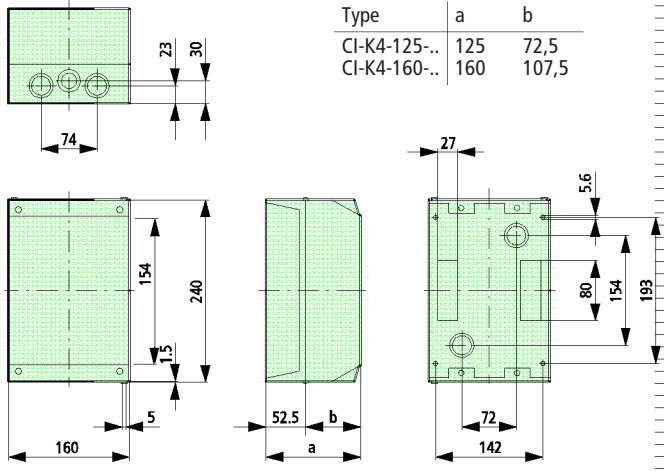
Notes:

¹⁾ CI-K...-NA enclosures are flat sided and without conduit knockouts.
Dimensions shown for knockouts on sides of enclosures are for European style enclosures only.

CI-K Small Enclosures Dimensions

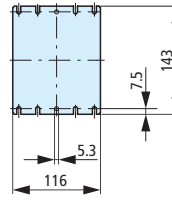
CI-K small enclosures

CI-K4-...¹⁾



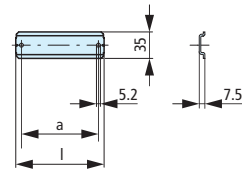
Mounting plate

M-CI-K4



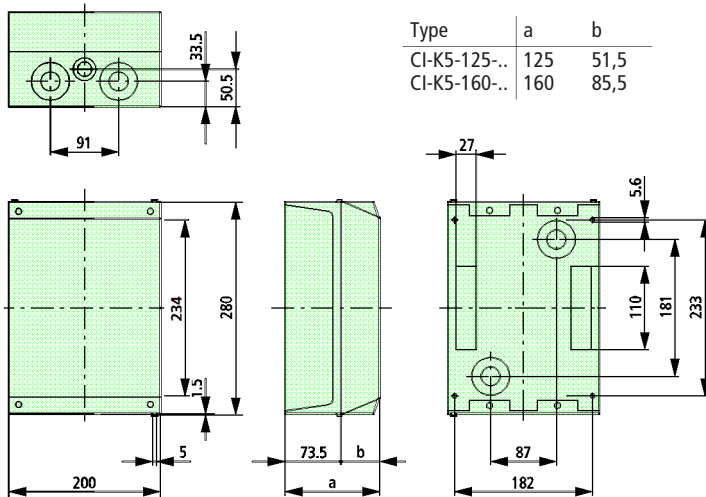
Mounting rail

TS-CI-K4



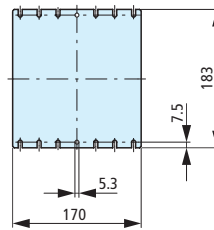
| a | l |
|-----|-----|
| 128 | 143 |

CI-K5-...¹⁾



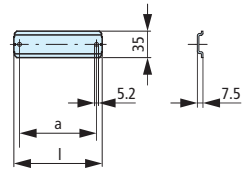
Mounting plate

M-CI-K5



Mounting rail

TS-CI-K5



| a | l |
|-----|-----|
| 168 | 183 |

Notes:

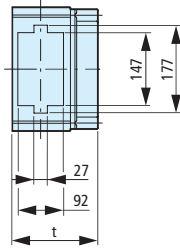
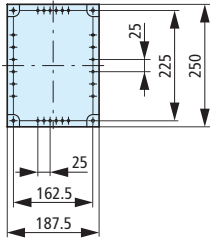
- ¹⁾ CI-K...-NA enclosures are flat sided and without conduit knockouts.
Dimensions shown for knockouts on sides of enclosures are for European style enclosures only.

CI Insulating Material Enclosures Dimensions

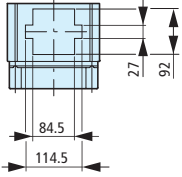
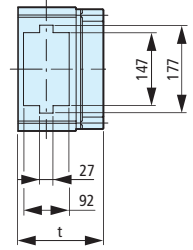
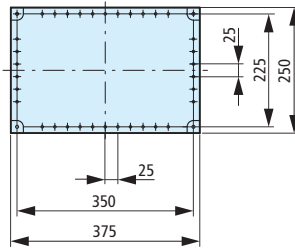
Insulating Material Enclosures

CI enclosures

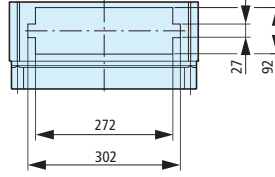
CI23...



CI43...

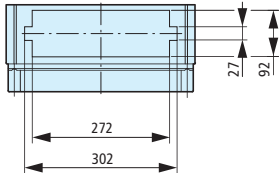
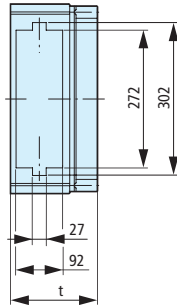
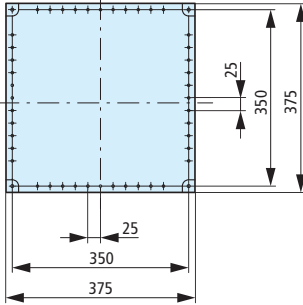


t = 150/175 mm



t = 150/175/225 mm

CI44...



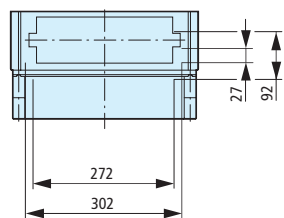
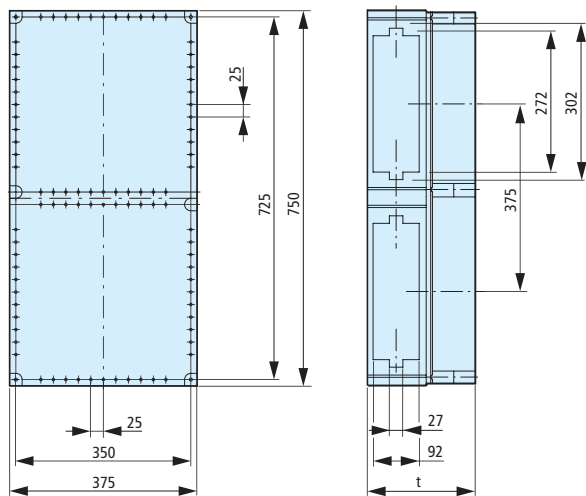
t = 150/175/225/275 mm

CI Insulating Material Enclosures

Dimensions

CI enclosures

CI48...

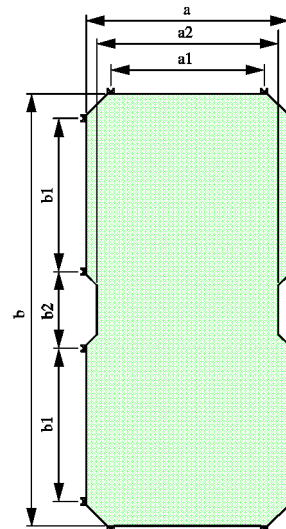
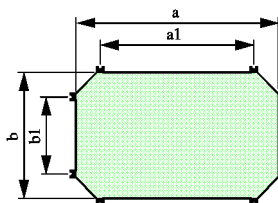


t = 225/275 mm

Mounting plates

M3-CI...
IM4-CI...

M3-CI48
IM4-CI48

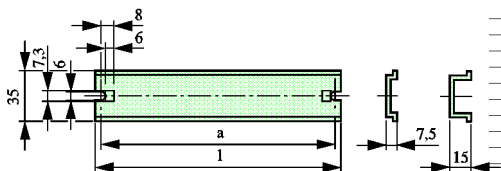


| Type | a | b | a1 | b1 | a2 | b2 |
|---------------|-------|-----|------|-----|-----|-----|
| (I)M3(4)-CI23 | 142,5 | 205 | 62,5 | 125 | - | - |
| (I)M3(4)-CI43 | 330 | 205 | 250 | 125 | - | - |
| (I)M3(4)-CI44 | 330 | 330 | 250 | 250 | - | - |
| (I)M3(4)-CI48 | 330 | 705 | 250 | 250 | 296 | 125 |

M3... mounting plate: 3 mm thick
IM4... insulated mounting plate: 4 mm thick

Top-hat rails

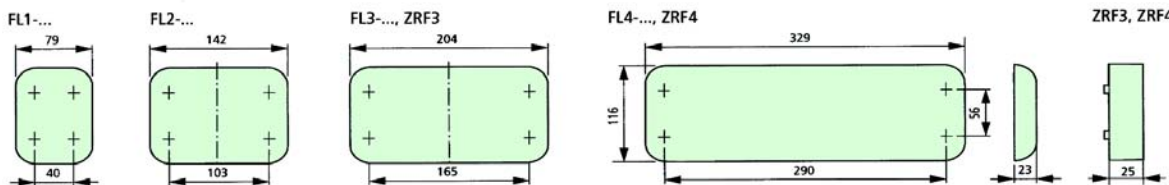
CL...



| Type | l | a |
|--------|-------|-------|
| CL2 | 170,5 | 162,5 |
| CL3 | 233 | 225 |
| CL4 | 358 | 350 |
| CL2-15 | 170,5 | 162,5 |
| CL3-15 | 233 | 225 |
| CL4-15 | 358 | 350 |

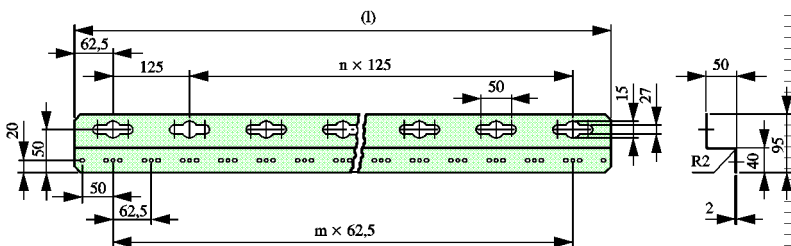
Flanges

FL1-...



Wall mounting bracket

W16/32



| Type | l | n | m |
|--------|------|----|----|
| W4/8 | 625 | 4 | 8 |
| W6/8 | 875 | 6 | 12 |
| W8/16 | 1125 | 8 | 16 |
| W10/20 | 1375 | 10 | 20 |
| W16/32 | 2125 | 16 | 32 |