# Insulated enclosure, HxWxD=160x100x145mm, +mounting rail, NA type

**Part no.** CI-K2X-145-TS-NA
**Article no.** 231221

Powering Business Worldwide

## Delivery program

| | | | |
|---|---|---|---|
| Product range | | | CI-K small enclosures |
| Basic function | | | Basic enclosures |
| Product function | | | Basic enclosures for North America |
| Single unit/Complete unit | | | Single unit |
| Degree of Protection | | | Front IP65<br>IP65, with push-through cable entry |
| Degree of Protection | | | Front IP65<br>IP65, with push-through cable entry |
| Description | | | Approved for UL, CSA<br>4 x ½ inch knockouts<br>Enclosure base RAL 9005, black<br>Operator only RAL 7035, light gray |
| **Dimensions** | | | |
| Width | | mm | 100 |
| Height | | mm | 160 |
| Depth | | mm | 145 |
| Features | | | with DIN-rail |
| Mounting depth: | | mm | 118 |

## Design verification as per IEC/EN 61439

| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Degree of Protection | | | Front IP65<br>IP65, with push-through cable entry |
| Surface treatment | | | Resistant to corrosion |
| Temperature resistant | | | -40 °C - 120 °C (enclosure)<br>-40 °C - +80 °C (gasket) |
| 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 | | | Meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | | Please enquire |
| 10.2.5 Lifting | | | Not applicable. |
| 10.2.6 Mechanical impact | | | Meets the product standard's requirements. |
| 10.2.7 Inscriptions | | | Meets the product standard's requirements. |
| 10.3 Degree of protection of ASSEMBLIES | | | Meets the product standard's requirements. |
| 10.4 Clearances and creepage distances | | | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | | | Is the panel builder's responsibility. |
| 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 | | | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | | | Is the panel builder's responsibility. |
| 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. The specifications for the switchgear must be observed. |

| | | | |
|---|---|---|---|
| 10.12 Electromagnetic compatibility | | | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 Mechanical function | | | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

## Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Empty enclosure for switchgear (EC000712)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (ecl@ss8.1-27-37-13-01 [AKN343011])

| | | | |
|---|---|---|---|
| Material housing | | | Plastic |
| Width | | mm | 100 |
| Height | | mm | 181 |
| Depth | | mm | 100 |
| With transparent cover | | | No |
| Suitable for emergency stop | | | No |
| Model | | | Surface mounting |
| Degree of protection (IP) | | | IP65 |

## Approvals

| | | | |
|---|---|---|---|
| Product Standards | | | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking |
| UL File No. | | | E54120 |
| UL Category Control No. | | | MITW2 |
| CSA File No. | | | 12528 |
| CSA Class No. | | | 3211-07 |
| North America Certification | | | UL listed, CSA certified |
| Specially designed for North America | | | Yes |
| Degree of Protection | | | IEC: IP65; UL/CSA Type 1, 3R, 4X, 12, 13 – indoor and outdoor use |

## Additional product information (links)

**IL01502082Z (AWA3210-1960) Insulated small enclosures NA for North America**

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|---|---|
| IL01502082Z (AWA3210-1960) Insulated small enclosures NA for North America | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01502082Z2015_11.pdf |