



## Surface mounting enclosure, 8 mounting locations

Part no. I8  
 Catalog No. 046299  
 Alternate Catalog No. I8

## Delivery program

|                                                                |  |                   |                                                                                    |
|----------------------------------------------------------------|--|-------------------|------------------------------------------------------------------------------------|
|                                                                |  |                   | for conventional wiring<br>With moulded cover fixing screws                        |
| Colour                                                         |  |                   |                                                                                    |
|                                                                |  |                   |  |
| Number of locations                                            |  | Qty.              | 8                                                                                  |
| Cable entry knockouts                                          |  | Quantity<br>x M20 | 4 (Bottom)<br>7 (Side)                                                             |
| Colour                                                         |  |                   | Enclosure base RAL 9005, black                                                     |
| Single unit/Complete unit                                      |  |                   | Single unit                                                                        |
| Degree of Protection                                           |  |                   | IP65                                                                               |
| Connection to SmartWire-DT                                     |  |                   | no                                                                                 |
| <b>Notes</b>                                                   |  |                   |                                                                                    |
| Unused locations must be closed off with blanking plates.      |  |                   |                                                                                    |
| Each used mounting location must be fitted with a label mount. |  |                   |                                                                                    |

## Design verification as per IEC/EN 61439

|                                                                                                                        |                 |    |                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------|-----------------|----|----------------------------------------------------------------------------------------------------------------------------------|
| Technical data for design verification                                                                                 |                 |    |                                                                                                                                  |
| Static heat dissipation, non-current-dependent                                                                         | P <sub>vs</sub> | W  | 0                                                                                                                                |
| Operating ambient temperature min.                                                                                     |                 | °C | -25                                                                                                                              |
| Operating ambient temperature max.                                                                                     |                 | °C | 60                                                                                                                               |
| 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                                                                                                         |                 |    | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| 10.2.6 Mechanical impact                                                                                               |                 |    | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| 10.2.7 Inscriptions                                                                                                    |                 |    | Meets the product standard's requirements.                                                                                       |
| 10.3 Degree of protection of ASSEMBLIES                                                                                |                 |    | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| 10.4 Clearances and creepage distances                                                                                 |                 |    | Meets the product standard's requirements.                                                                                       |
| 10.5 Protection against electric shock                                                                                 |                 |    | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| 10.6 Incorporation of switching devices and components                                                                 |                 |    | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| 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                                                               |                 |    | Is the panel builder's responsibility.                                                                                           |
| 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. |

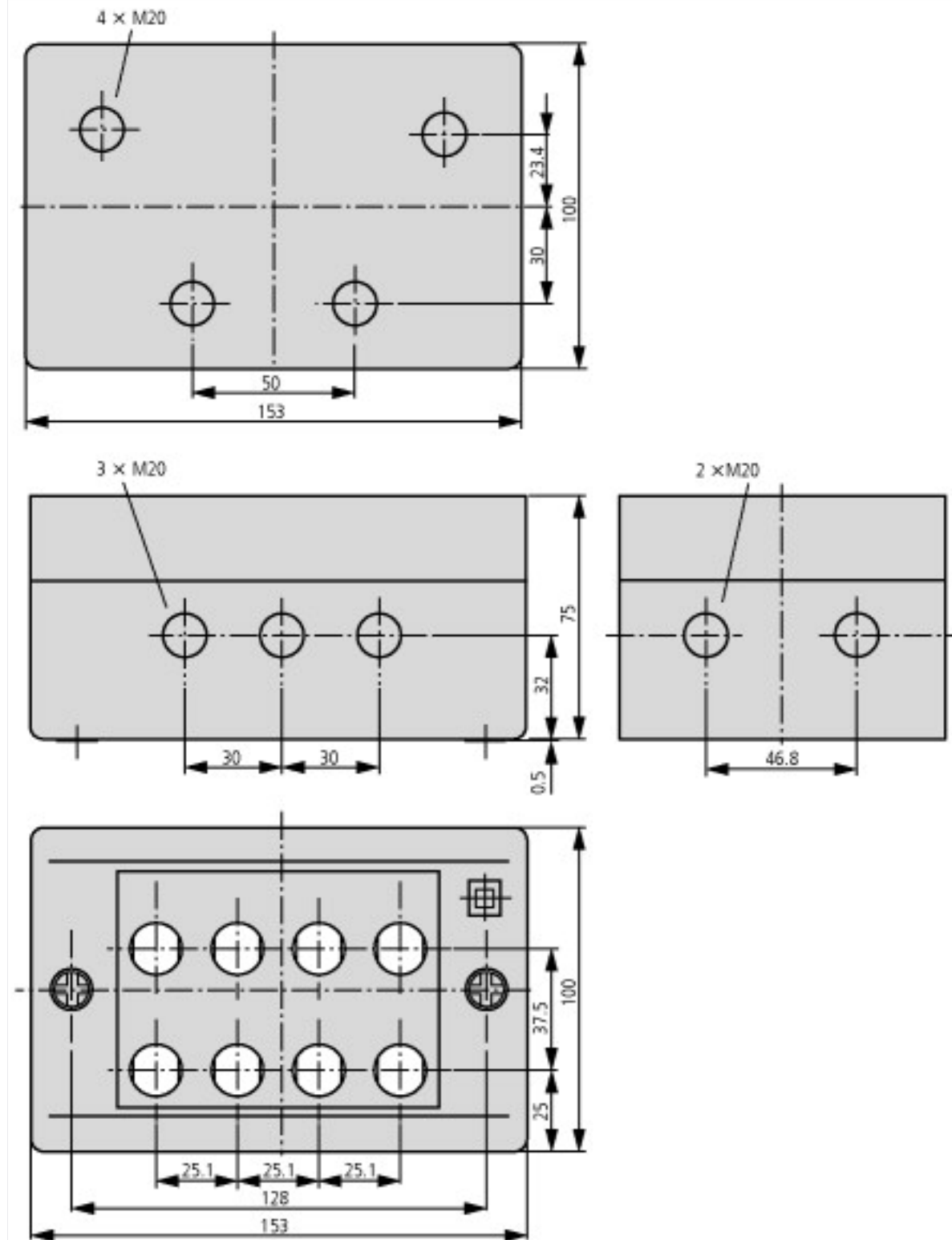
## Technical data ETIM 7.0

|                                                                                                                                                                                                         |  |    |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--------------------------|
| Low-voltage industrial components (EG000017) / Enclosure for control circuit devices (EC000200)                                                                                                         |  |    |                          |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Housing for command and alarm devices (ecI@ss10.0.1-27-37-12-05 [AKF023014]) |  |    |                          |
| Number of command positions                                                                                                                                                                             |  |    | 8                        |
| Construction type housing                                                                                                                                                                               |  |    | Surface mounting housing |
| Material housing                                                                                                                                                                                        |  |    | Plastic                  |
| Material quality housing                                                                                                                                                                                |  |    | Other                    |
| Diameter openings                                                                                                                                                                                       |  | mm | 16                       |
| Colour housing cover                                                                                                                                                                                    |  |    | Grey                     |
| Degree of protection (IP)                                                                                                                                                                               |  |    | IP65                     |
| Degree of protection (NEMA)                                                                                                                                                                             |  |    | 1                        |
| Width                                                                                                                                                                                                   |  | mm | 153                      |
| Height                                                                                                                                                                                                  |  | mm | 75                       |
| Depth                                                                                                                                                                                                   |  | mm | 100                      |

## Approvals

|                             |  |  |                                                         |
|-----------------------------|--|--|---------------------------------------------------------|
| Product Standards           |  |  | IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CE marking |
| UL File No.                 |  |  | E29184                                                  |
| UL Category Control No.     |  |  | NKCR                                                    |
| CSA File No.                |  |  | 46552                                                   |
| CSA Class No.               |  |  | 3211-03                                                 |
| North America Certification |  |  | UL listed, CSA certified                                |
| Degree of Protection        |  |  | UL/CSA Type 1                                           |

## Dimensions



Fixing holes: 2 × Ø 4.5 mm  
Distance: 128 mm

## Additional product information (links)

### IL04716016Z (AWA1160-1429) Mounting of components

IL04716016Z (AWA1160-1429) Mounting of components

[https://es-assets.eaton.com/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL04716016Z2018\\_05.pdf](https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2018_05.pdf)