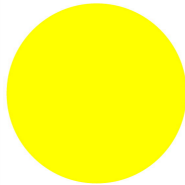




## Surface mounting enclosure, yellow, 1 mounting location

**Part no.** M22-IY1  
**Catalog No.** 216536  
**Alternate Catalog No.** M22-IY1Q  
**EL-Nummer (Norway)** 4355384

## Delivery program

|                              |  |      |  |
|------------------------------|--|------|--|
| Basic function accessories   |  |      | Surface mounting enclosure   |
| Housing                      |  |      | Insulated material   |
|                              |  |      | With high-grade steel screws   |
| Number of locations          |  | Qty. | 1  |
| <b>Cable entry knockouts</b> |  |      |  |
| Cable entry                  |  |      | rear: 2 x M16<br>at top: 1 x M20<br>lateral: 2 x M20/M25 (1 x each side)           |
| Degree of Protection         |  |      | IP66, IP67, IP69   |
| <b>Colour</b>                |  |      |  |
|                              |  |      |  |
| RAL Value                    |  |      | RAL 1004   |
| Colour                       |  |      | Enclosure base anthracite  |
| Connection to SmartWire-DT   |  |      | no   |
| For use with                 |  |      | 1 x Ø 22.5   |
| For use with                 |  |      | Controlled stop/emergency-stop buttons   |

## Technical data

## General

|                      |  |    |                  |
|----------------------|--|----|------------------|
| Degree of Protection |  |    | IP66, IP67, IP69 |
| Ambient temperature  |  |    |                  |
| Open                 |  | °C | -25 - +70        |

## Design verification as per IEC/EN 61439

|  |  |    |  |
|--|--|----|--|
| Technical data for design verification   |  |    |  |
| Operating ambient temperature min.   |  | °C | -25  |
| Operating ambient temperature max.   |  | °C | 70   |
| 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.                         |

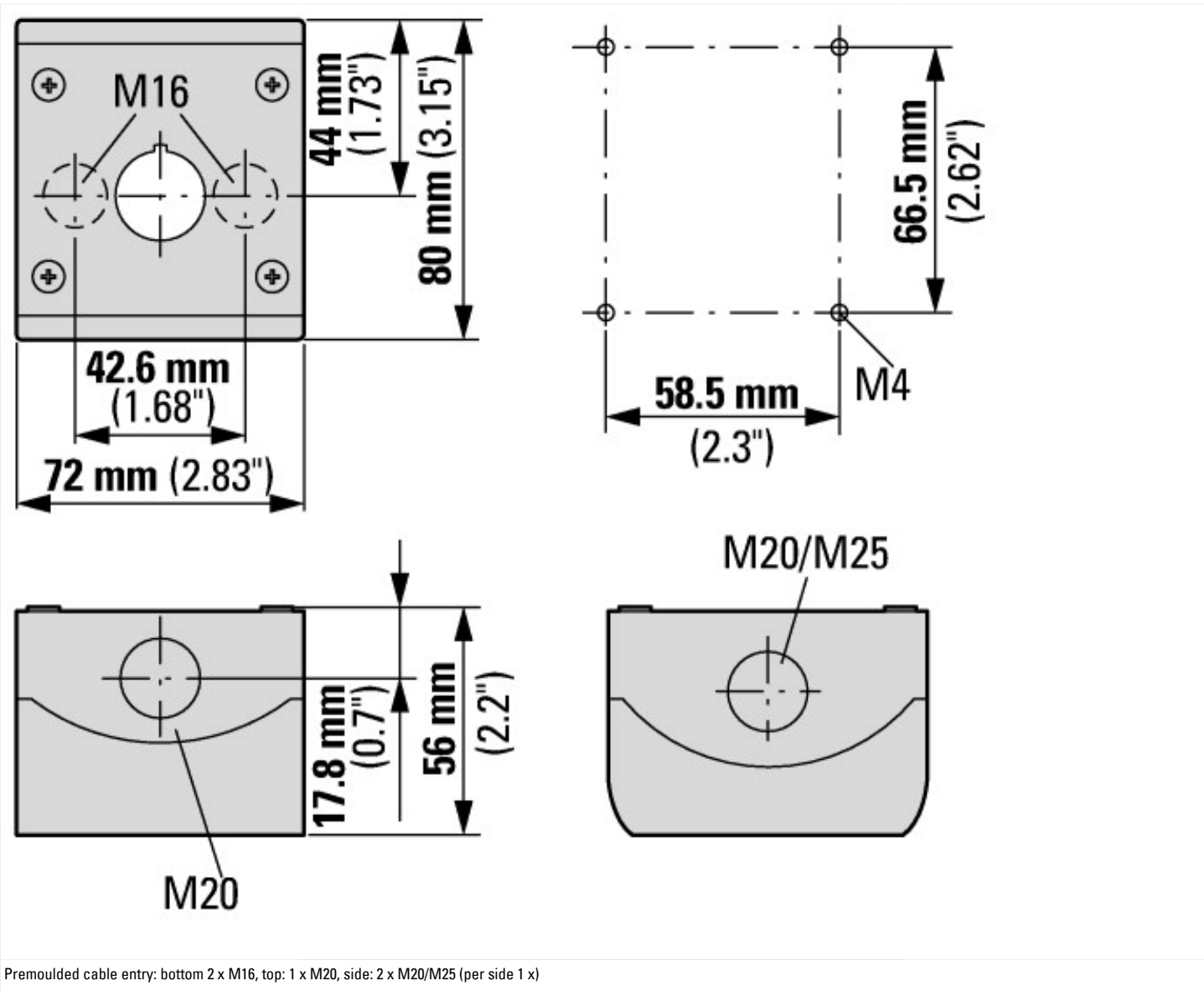
## Technical data ETIM 7.0

|   |  |    |                          |
|---|--|----|--------------------------|
| 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   |  |    | 1                        |
| Construction type housing   |  |    | Surface mounting housing |
| Material housing  |  |    | Plastic                  |
| Material quality housing  |  |    | Other                    |
| Diameter openings   |  | mm | 22.5                     |
| Colour housing cover  |  |    | Yellow                   |
| Degree of protection (IP)   |  |    | IP67/IP69K               |
| Degree of protection (NEMA)   |  |    | 4X                       |
| Width   |  | mm | 72                       |
| Height  |  | mm | 80                       |
| Depth   |  | mm | 56                       |

## Approvals

|                             |  |  |  |
|-----------------------------|--|--|--|
| Product Standards           |  |  | IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking |
| UL File No.                 |  |  | E29184   |
| UL Category Control No.     |  |  | NKCR   |
| CSA File No.                |  |  | 012528   |
| CSA Class No.               |  |  | 3211-03  |
| North America Certification |  |  | UL listed, CSA certified   |
| Degree of Protection        |  |  | UL/CSA Type 3R, 4X, 12, 13   |

Dimensions



Premoulded cable entry: bottom 2 x M16, top: 1 x M20, side: 2 x M20/M25 (per side 1 x)