

**Connection cable, MFD-CP4/EASY209-SE to easy800/MFD-CP8/CP10/EC4P/ES4P**



**Part no.** MFD-CP4-800-CAB5  
**Catalog No.** 280887

## Delivery program

|              |  |  |                                            |
|--------------|--|--|--------------------------------------------|
| For use with |  |  | easy800<br>MFD...-CP8...<br>MFD...-CP10... |
|--------------|--|--|--------------------------------------------|

## Design verification as per IEC/EN 61439

|                                                                                                                        |            |    |                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------|------------|----|----------------------------------------------------------------------------------------------------------------------------------|
| Technical data for design verification                                                                                 |            |    |                                                                                                                                  |
| Rated operational current for specified heat dissipation                                                               | $I_n$      | A  | 0                                                                                                                                |
| Heat dissipation per pole, current-dependent                                                                           | $P_{vid}$  | W  | 0                                                                                                                                |
| Equipment heat dissipation, current-dependent                                                                          | $P_{vid}$  | W  | 0                                                                                                                                |
| Static heat dissipation, non-current-dependent                                                                         | $P_{vs}$   | W  | 0                                                                                                                                |
| Heat dissipation capacity                                                                                              | $P_{diss}$ | W  | 0                                                                                                                                |
| Operating ambient temperature min.                                                                                     |            | °C | -25                                                                                                                              |
| Operating ambient temperature max.                                                                                     |            | °C | 55                                                                                                                               |
| 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                                                                       |            |    | Meets the product standard's requirements.                                                                                       |
| 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                                                                                |            |    | Meets the product standard's requirements.                                                                                       |
| 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.                                                                                           |
| 10.12 Electromagnetic compatibility                                                                                    |            |    | Is the panel builder's responsibility.                                                                                           |
| 10.13 Mechanical function                                                                                              |            |    | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |

## Technical data ETIM 6.0

|                                                                                                                                                                          |  |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|
| PLC's (EG000024) / Accessories for controls (EC002584)                                                                                                                   |  |                  |
| Electric engineering, automation, process control engineering / Control / Control (accessories) / Control (accessories, unspecified) (ecl@ss8.1-27-24-92-90 [AKN560011]) |  |                  |
| Type of electrical accessory                                                                                                                                             |  | Connecting cable |
| Type of mechanical accessory                                                                                                                                             |  | Other            |
| Type of documentation                                                                                                                                                    |  | Other            |

## Approvals

|                             |  |  |                                                                                                 |
|-----------------------------|--|--|-------------------------------------------------------------------------------------------------|
| Product Standards           |  |  | IEC/EN see Technical Data; UL 508; CSA C22.2 No. 142-M1987; CSA C22.2 No. 213-M1987; CE marking |
| UL File No.                 |  |  | E135462                                                                                         |
| UL Category Control No.     |  |  | NRAQ                                                                                            |
| CSA File No.                |  |  | 012528                                                                                          |
| CSA Class No.               |  |  | 2252-01 + 2258-02                                                                               |
| North America Certification |  |  | UL listed, CSA certified                                                                        |
| Degree of Protection        |  |  | IEC: IP20, UL/CSA Type: -                                                                       |

## Additional product information (links)

|                                                                                          |                                                                                                                                                                                   |  |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Instruction leaflet "power supply unit, communication module" IL05013018Z (AWA2528-2175) |                                                                                                                                                                                   |  |
| Instruction leaflet "power supply unit, communication module" IL05013018Z (AWA2528-2175) | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013018Z2018_02.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013018Z2018_02.pdf</a> |  |