

# DATASHEET - NZM2-4-250-XKC



Box terminal, 4p, up to 300 A



**Part no.** NZM2-4-250-XKC  
**Catalog No.** 266756

**EL-Nummer (Norway)** 4300374

Similar to illustration

## Delivery program

|                      |       |   |                              |
|----------------------|-------|---|------------------------------|
| Number of conductors |       |   | 4 pole                       |
| Accessories          |       |   | Box terminal                 |
| Rated current        | $I_n$ | A | $\leq 300$                   |
| For use with         |       |   | NZM2(-4), PN2(-4), N(S)2(-4) |

### Terminal capacities

|                     |  |                 |                                                                                                              |
|---------------------|--|-----------------|--------------------------------------------------------------------------------------------------------------|
| Type of conductor   |  |                 |                                                                                                              |
| Cu/Al cable         |  |                 | Cu cable                                                                                                     |
| Terminal capacities |  |                 |                                                                                                              |
| flexible            |  | mm <sup>2</sup> | 1 x 10 - 185<br>2 x 4 - 70<br>Up to 95 mm <sup>2</sup> can be connected depending on the cable manufacturer. |
| AWG/kcmil           |  | mm <sup>2</sup> | 1 x 12 - 350                                                                                                 |

### Terminal capacities

|                                                           |  |                 |                                                                           |
|-----------------------------------------------------------|--|-----------------|---------------------------------------------------------------------------|
| Cu strip (number of segments x width x segment thickness) |  | mm <sup>2</sup> | min. 2 x 9 x 0.8<br>max. 10 x 16 x 0.8<br>Or<br>max. (2 x) 8 x 15.5 x 0.8 |
|-----------------------------------------------------------|--|-----------------|---------------------------------------------------------------------------|

### Notes

Type suffix and type contain parts for a circuit-breaker side at top or bottom for 3 or 4 pole circuit-breakers.

Conversion kit for circuit-breaker with screw connection.

Fitted within the switch housing

O = for fitting at the top

U = for fitting at the bottom

$U_e \geq 525$  V AC:

- Use cover NZM2(-4)-XKSA.

Use ferrules with flexible and highly flexible conductors. Max. cross section shown can only be connected when flexible and without ferrules.

## Design verification as per IEC/EN 61439

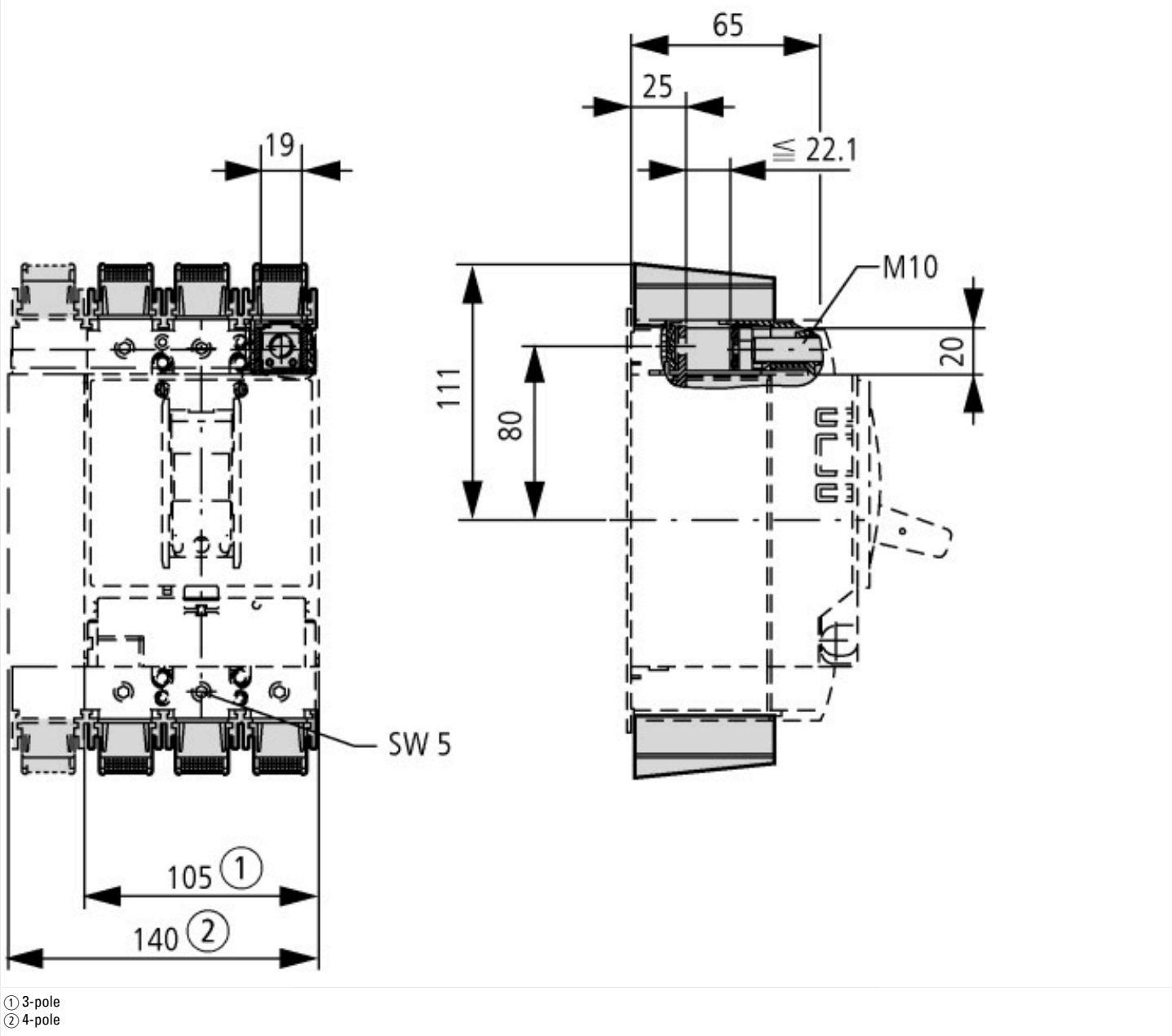
|                                                                                                                        |  |  |                                                                    |
|------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------|
| 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                                                                                |  |  | 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) / Wiring set for power circuit breaker (EC002050)                                                                                                      |  |       |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Wiring set for circuit breaker (ecl@ss10.0.1-27-37-04-24 [ACN957011]) |  |       |
| Suitable for number of poles                                                                                                                                                                        |  | 4     |
| Model                                                                                                                                                                                               |  | Other |

## Dimensions



## Additional product information (links)

|                                               |
|-----------------------------------------------|
| IL01206005Z (AWA1230-1917) Box terminal block |
|-----------------------------------------------|

