DATASHEET - NZMB1-A25



Circuit-breaker, 3p, 25A

Part no.

NZMB1-A25 280988 4358976 **EL Number** (Norway)



| Product name | Eaton Moeller series NZM molded case circuit breaker thermo-magnetic |
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| Part no. | NZMB1-A25 |
| EAN | 4015082809881 |
| Product Length/Depth | 88 millimetre |
| Product height | 145 millimetre |
| Product width | 90 millimetre |
| Product weight | 1.018 kilogram |
| Compliances | RoHS conform |
| Certifications | IEC/EN 60947 IEC |
| Product Tradename | NZM |
| Product Type | Molded case circuit breaker |
| Product Sub Type | Thermo-magnetic |
| Delivery program | |
| Application | Use in unearthed supply systems at 440 V |
| Туре | Circuit breaker |
| Circuit breaker frame type | NZM1 |
| Number of poles | Three-pole |
| Amperage Rating | 25 A |
| Release system | Thermomagnetic release |
| Features | Protection unit |
| Special features | Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 25 A Terminal capacity hint: Up to 95 mm ² can be connected depending on the cable manufacturer. |
| Technical Data - Electrical | |
| Voltage rating | 440 V - 440 V |
| Rated insulation voltage (Ui) | 690 V AC |
| Rated impulse withstand voltage (Uimp) at auxiliary contacts | 6000 V |
| Rated impulse withstand voltage (Uimp) at main contacts | 6000 V |
| Instantaneous current setting (li) - min | 350 A |
| Instantaneous current setting (li) - max | 350 A |
| Overload current setting (Ir) - min | 20 A |
| Overload current setting (Ir) - max | 25 A |
| Short delay current setting (Isd) - min | 0 A |
| Short delay current setting (Isd) - max | 0 A |
| Short-circuit release non-delayed setting - min | 350 A |
| Short-circuit release non-delayed setting - max | 350 A |
| Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz | 30 kA |
| Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz | 25 kA |
| Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz | 18.5 kA |
| Rated short-circuit making capacity Icm at 240 V, 50/60 Hz | 63 kA |
| Rated short-circuit making capacity Icm at 400/415 V, 50/60 Hz | 53 kA |
| Rated short-circuit making capacity Icm at 440 V, 50/60 Hz | 53 kA |
| Short-circuit total breaktime | < 10 ms |
| Electrical connection type of main circuit | Frame clamp |
| Isolation | 300 V AC (between the auxiliary contacts) |

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| Iteration exceed the setting capacity (or the circuit breaker (Bated short-circuit breaker (Bated sho | Lifespan, mechanical Connection exceed the solution capacity (or bit to to 55 mm² can be connected depending on the cable manufacturer. Lifespan, mechanical Connection capacity (bit) to 55 mm² can be connected depending on the cable manufacturer. Terminal Capacity hint: Up to 55 mm² can be connected depending on the cable manufacturer. Connection on car. Screw terminal. Tunnel terminal Optional terminals Connection on car. Screw terminal. Tunnel terminal Optional terminals Connection on car. Screw terminal. Tunnel terminal Terminal capacity (control cable) Of5 mm² 1, 5 mm² (b) direct a switch rear-side connection 10 mm² 1, 6 mm² (b) direct a switch rear-side connection Terminal capacity (control cable) Standard terminal 10 mm² 1, 5 mm² (b) direct a switch rear-side connection 10 mm² 1, 6 mm² (b) direct a switch rear-side connection Terminal capacity (conper busbar) Standard terminal 10 mm² 1, 15 mm² (b) direct a switch rear-side connection Terminal capacity (copper solid conductor/cable) Standard terminal 25 mm² (b) direct a switch rear-side connection Terminal capacity (copper solid conductor/cable) Standard terminal 10 mm² 1, 15 mm² (b) direct a switch rear-side connection 10 mm² 1, 15 mm² (b) direct a switch rear-side connection Terminal capacity (copper solid conductor/cable) Standard terminal 10 mm² 1, 15 mm² (b) direct a switch rear-side connection 10 mm² 1, 15 mm² (b) direct a switch rear-side connection 10 mm² 1, 15 mm² (b) direct a switch rear-side connection 10 mm² 1, 15 mm² | Climatic proofing | |
| Technical Data - Mechanical - Terminals Box terminal Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (control cable) 075 mm² - 15 mm² (2x) Terminal capacity (aluminum solid conductor/cable) 16 mm² (1x) direct at switch rear-side connection Terminal capacity (aluminum stranded conductor/cable) 25 mm² - 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) 25 mm² - 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) M6 at rear-side screw connection Terminal capacity (copper solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) 10 mm² - 16 mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) Max 3 segments of 9 mm x 0.8 mm at box terminal Design verification as per IEC/EN 61439 - technical data | Terchnical Data - Mechanical - Terminals Box terminal Optional terminals Connection on rear. Screw terminal. Tunnel terminal Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (control cable) Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (aluminum solid conductor/cable) If mm ² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) If mm ² (1x) at tunnel terminal Terminal capacity (copper busbar) If mm ² (1x) at tunnel terminal Terminal capacity (copper stranded conductor/cable) If mm ² (1x) at tunnel terminal Terminal capacity (copper stranded conductor/cable) Mis at ternical service ta switch rear-side connection Terminal capacity (copper stranded conductor/cable) Mis at ternical service ta switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) If mm ² (1x) direct at swi | Special features | Rated current = rated uninterrupted current: 25 A Terminal capacity hint: Up to 95 mm ² can be connected depending on the cable |
| Standard terminals For a pacity (control cable) Connection on rear. Screw terminal Terminal capacity (control cable) D35 mm² · 1.5 mm² (2x) 0.75 mm² · 1.5 mm² (2x) Terminal capacity (aluminum solid conductor/cable) If a mm² (1x) direct at switch rear-side connection 10 mm² · 16 mm² (1x) direct at switch rear-side connection Terminal capacity (aluminum stranded conductor/cable) If a mm² (2x) direct at switch rear-side connection 25 mm² · 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) If a mm² (2x) direct at switch rear-side connection 25 mm² · 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) If a mm² (2x) direct at switch rear-side connection 25 mm² · 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) If a mm² (1x) direct at switch rear-side connection If a mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) If a mm² (1x) direct at switch rear-side connection If a mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) If a mm² (1x) direct at switch rear-side connection If a mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) If a mm² (1x) direct at switch rear-side connection If a mm² (1x) direct at switch rear-side connection Design verification as per IEC | Standard terminals Potional terminals Optional terminals Connection or ear. Screw terminal. Tunnel terminal Terminal capacity (control cable) 0.75 mm ⁻¹ (2x) Terminal capacity (aluminum solid conductor/cable) 0.75 mm ⁻¹ (2x) direct at switch rear-side connection Terminal capacity (aluminum stranded conductor/cable) 0.75 mm ⁻¹ (2x) direct at switch rear-side connection Terminal capacity (aluminum stranded conductor/cable) 0.75 mm ⁻¹ (2x) direct at switch rear-side connection Terminal capacity (copper busbar) Med terar-side screw connection Terminal capacity (copper busbar) Med terar-side screw connection Terminal capacity (copper solid conductor/cable) Med terar-side screw connection Terminal capacity (copper solid conductor/cable) Med terar-side screw connection Terminal capacity (copper solid conductor/cable) Med terar-side screw connection Terminal capacity (copper stranded conductor/cable) Med terar-side screw connection Terminal capacity (copper stranded conductor/cable) Med terar-side screw connection Terminal capacity (copper strip) Med terar-side connection Design verification as per IEC/EN 61439 - technical data Form - 70 mm ⁻¹ (1x) direct at switch rear-side connection Stramt - 70 mm ⁻¹ (2x) direct at switch rear-side connection S | Lifespan, mechanical | 20000 operations |
| Optional terminals Connection on rear. Screw terminal. Lunnel terminal Terminal capacity (control cable) 0.75 mm² - 15 mm² (2x) Terminal capacity (aluminum solid conductor/cable) 0.75 mm² - 25 mm² (1x) Terminal capacity (aluminum stranded conductor/cable) 0.75 mm² - 25 mm² (1x) Terminal capacity (aluminum stranded conductor/cable) 0.75 mm² - 35 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) 0.75 mm² - 35 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) 0.75 mm² - 35 mm² (1x) at tunnel terminal Terminal capacity (copper solid conductor/cable) 0.75 mm² - 35 mm² (1x) at tunnel terminal Terminal capacity (copper solid conductor/cable) 0.75 mm² - 35 mm² (1x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 0.75 mm² - 15 mm² (2x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 0.75 mm² - 15 mm² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 0.75 mm² - 35 mm² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 0.75 mm² - 35 mm² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 0.75 m² (2x) direct at switch rear-side connection Term | Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (control cable) 075 mm ² 1.5 mm ² (2x) 0.75 mm ² 1 (x) direct at switch rear-side connection 10 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 2 (x) direct at switch rear-side connection 25 mm ² 25 mm ² 1 (x) direct at switch rear-side connection Min 2 m x 5 mm direct at switch rear-side connection Min 2 m x 5 mm direct at switch rear-side connection Min 2 m x 5 mm ² (2x) direct at switch rear-side connection Min 2 m x 5 mm ² (2x) direct at switch rear-side connection Min 2 mm ² 1 film (2x) direct at switch rear-side connection Min 2 mm ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 1 film (2x) direct at switch rear-side connection form ² 2 film (2x) direct at switch rear-side connection form ² 2 film (2x) direct at switch rear-side connection form ² 2 film (2x) direct at switch rear-side connection form ² 2 film (2x) direct at switch reare-side conne | Technical Data - Mechanical - Terminals | |
| Terminal capacity (control cable) 0.75 mm² 1.5 mm² (2x) 0.75 mm² 2.5 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 16 mm² (1x) at turnel terminal 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 25 mm² 35 mm² (1x) turnel terminal 25 mm² 35 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection Max. 16 mm 5 mm direct at switch rear-side connection Max. 16 mm 5 mm direct at switch rear-side connection Max. 16 mm 5 mm direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) direct at switch rear-side connection 10 mm² 1.6 mm² (1x) at turnel terminal 10 mm² 1.6 mm² (1x) at turnel terminal 10 mm² 1.6 mm² (1x) at turnel terminal 10 mm² 1.0 mm² (1x) at turnel terminal 10 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 10 mm² 0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0.0 mm² (1x) direct at switch rear-side connection 25 mm² 0 | Terminal capacity (control cable) 0.75 mm ² · 15 mm ² (2x) Terminal capacity (aluminum solid conductor/cable) 16 mm ² · 16 mm ² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) 25 mm ² · 35 mm ² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) 25 mm ² · 35 mm ² (1x) direct at switch rear-side connection Terminal capacity (copper busbar) 26 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 26 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 26 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 26 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 27 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 27 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 27 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper strip) 27 mm ² · 16 mm ² (2x) direct at switch rear-side connection Terminal capacity (copper strip) 25 A Design verification as per IEC/EN 61439 - technical data 25 m ² · 25 m ² (2x) d | Standard terminals | Box terminal |
| Iterminal capacity (aluminum solid conductor/cable)Iterminal capacity (aluminum solid conductor/cable)Iterminal capacity (aluminum stranded conductor/cable)Iterminal capacity (copper busbar)Iterminal capacity (copper busbar)Iterminal capacity (copper solid conductor/cable)Iterminal capacity (copper solid conductor/cable)Iterminal capacity (copper solid conductor/cable)Iterminal capacity (copper solid conductor/cable)Iterminal capacity (copper stranded conductor/cable)Iterminal capacity (copper strip)Iterminal capacity (copper strip)Ite | Terminal capacity (aluminum solid conductor/cable) I is mm ² (2, 3 mm ² (1x) Terminal capacity (aluminum stranded conductor/cable) Is mm ² (1x) at tunnel terminal 10 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 25 mm ² - 35 mm ² (3x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 16 mm ² (1x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side connection 25 mm ² (2x) direct at switch rear-side con | Optional terminals | Connection on rear. Screw terminal. Tunnel terminal |
| I omm? - 16 mm? (2x) direct at switch rear-side connection 10 mm? - 35 mm? (1x) direct at switch rear-side connection 25 mm? - 35 mm? (1x) direct at switch rear-side connection 25 mm? - 35 mm? (1x) direct at switch rear-side connection 25 mm? - 35 mm? (1x) direct at switch rear-side connection 25 mm? - 35 mm? (1x) direct at switch rear-side connection M6 at rear-side screw connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 2 mm x 5 mm direct at switch rear-side connection M8.1 6 mm x 5 mm direct at switch rear-side connection 10 mm? - 16 mm? (1x) direct at switch rear-side connection f mm? (1x) direct at switch rear | I errinal capacity (aluminum stranded conductor/cable)I errinal capacity (aluminum stranded conductor/cable)I errinal capacity (copper busbar)I errinal capacity (copper busbar)I errinal capacity (copper busbar)I errinal capacity (copper solid conductor/cable)I errinal capacity (copper stranded conductor/cable)I errinal errinal capacity (copper stranded conductor/cable)I errinal e | Terminal capacity (control cable) | |
| Terminal capacity (copper busbar)Set mather and the set of the | Image: Semi-1 (x) at tunnel terminal 25 mm² - 25 mm² (2x) direct at switch rear-side connection M6 at rear-side screw connection M6.1 2 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection Max. 16 mm x 5 mm direct at switch rear-side connection 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection 16 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tox terminal 20 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 10 mm² - 10 mm² (1x) at 1-hot tunnel terminal 10 mm² - 25 mm² (1x) at 1-hot tunnel terminal 25 mm² - 25 m² - 25 m² - | Terminal capacity (aluminum solid conductor/cable) | 10 mm ² - 16 mm ² (2x) direct at switch rear-side connection |
| Image: | International capacity (copper solid conductor/cable)International capacity (copper solid conductor/cable)International capacity (copper solid conductor/cable)International capacity (copper solid conductor/cable)International capacity (copper stranded conductor/cable)International capacity (cop | Terminal capacity (aluminum stranded conductor/cable) | 25 mm ² - 95 mm ² (1x) at tunnel terminal |
| Ambient operating temperature - minSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolutionSolution< | A model of a matrix of a m | Terminal capacity (copper busbar) | Min. 12 mm x 5 mm direct at switch rear-side connection |
| In the hard operational current for specified heat dissipation (In)Image: Content on the terminal content on terminal content on the terminal content on terminal content | Terminal capacity (copper strip) Max. 9 segments of 9 mm x 0.8 mm at box terminal 25 mm² (1x) direct at switch rear-side connection 25 mm² (1x) direct at switch rear-side connection 25 mm² (1x) direct at switch rear-side connection Terminal capacity (copper strip) Max. 9 segments of 9 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal Design verification as per IEC/EN 61439 - technical data Max. 9 segments of 9 mm x 0.8 mm at box terminal Rated operational current for specified heat dissipation (In) 25 A Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min 70 °C Ambient storage temperature - min Max. 9 segments of 9 mm x 0.8 mm at box terminal | Terminal capacity (copper solid conductor/cable) | 6 mm² - 16 mm² (2x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection |
| Design verification as per IEC/EN 61439 - technical data Min. 2 segments of 9 mm x 0.8 mm at box terminal Rated operational current for specified heat dissipation (In) 25 A Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min -25 °C Ambient operating temperature - max 0 of 0 of 0 | Min. 2 segments of 9 mm x 0.8 mm at box terminal Design verification as per IEC/EN 61439 - technical data Min. 2 segments of 9 mm x 0.8 mm at box terminal Rated operational current for specified heat dissipation (In) 25 A Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C Ambient storage temperature - min 40 °C | Terminal capacity (copper stranded conductor/cable) | 10 mm² - 70 mm² (1x) at box terminal 25 mm² (2x) direct at switch rear-side connection 25 mm² - 95 mm² (1x) at 1-hole tunnel terminal |
| Rated operational current for specified heat dissipation (In) 25 A Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min -25 °C Ambient operating temperature - max 0 0 °C | Rated operational current for specified heat dissipation (In)25 AEquipment heat dissipation, current-dependent8.78 WAmbient operating temperature - min-25 °CAmbient operating temperature - max70 °CAmbient storage temperature - min40 °C | Terminal capacity (copper strip) | |
| Equipment heat dissipation, current-dependent 878 W Ambient operating temperature - min 25 °C Ambient operating temperature - max 70 °C | Equipment heat dissipation, current-dependent 8.78 W Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C Ambient storage temperature - min 40 °C | Design verification as per IEC/EN 61439 - technical data | |
| Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C | Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C Ambient storage temperature - min 40 °C | Rated operational current for specified heat dissipation (In) | 25 A |
| Ambient operating temperature - max 70 °C | Ambient operating temperature - min 70 °C Ambient storage temperature - min 40 °C | Equipment heat dissipation, current-dependent | 8.78 W |
| | Ambient storage temperature - min 40 °C | Ambient operating temperature - min | -25 °C |
| | | Ambient operating temperature - max | 70 °C |
| Ambient storage temperature - min 40 °C | | Ambient storage temperature - min | 40 °C |
| | | | 70 °C |

| esign verification as per IEC/EN 61439 | |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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. |
| 10.9.2 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 observed. |
| 10.12 Electromagnetic compatibility | Is the panel builder's responsibility. The specifications for the switchgear must observed. |
| 10.13 Mechanical function | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| dditional information | |
| Functions | System and cable protection |

Technical data ETIM 9.0

| Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/ge | enerator/installatior | on protection (EC000228) |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------|
| Electric engineering, automation, process control engineering / Low-voltage switc protection (ecl@ss13-27-37-04-09 [AJZ716018]) | h technology / Circ | rcuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system |
| Rated permanent current lu | А | A 25 |
| Rated voltage | V | 440 - 440 |
| Rated short-circuit breaking capacity Icu at 400 V, 50 Hz | kA | A 25 |
| Overload release current setting | A | A 20 - 25 |
| Adjustment range short-term delayed short-circuit release | А | A 0 - 0 |
| Adjustment range undelayed short-circuit release | A | A 350 - 350 |
| Power loss | W | V 8.8 |
| Device construction | | Built-in device fixed built-in technique |
| Integrated earth fault protection | | No |
| Type of electrical connection of main circuit | | Frame clamp |
| Suitable for DIN rail (top hat rail) mounting | | No |
| DIN rail (top hat rail) mounting optional | | Yes |
| Number of auxiliary contacts as normally closed contact | | 0 |
| Number of auxiliary contacts as normally open contact | | 0 |
| Number of auxiliary contacts as change-over contact | | 0 |
| With switched-off indicator | | No |
| With integrated under voltage release | | No |
| Number of poles | | 3 |
| Position of connection for main current circuit | | Front side |
| Type of control element | | Rocker lever |
| Complete device with protection unit | | Yes |
| Motor drive integrated | | No |
| Motor drive optional | | No |
| | | |

Degree of protection (IP)

IP20