

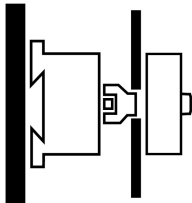


DC switch disconnecter, 1250 A, 2 pole, 1 N/O, 1 N/C, with grey knob, rear mounting



Part no. DDC-1250/2/M4/P-G
 Catalog No. 6098958

Delivery program

| | | | |
|---|-------|-----|---|
| Product range | | | DC switch-disconnector Main switch maintenance switch |
| Part group reference | | | DDC with grey knob |
| Information about equipment supplied | | | auxiliary contact fitted by user. |
| Notes | | | With metal shaft for a control panel depth of 400 mm |
| Number of poles | | | 2 pole |
| Auxiliary contacts | | | |
| | | N/O | 1 |
| | | N/C | 1 |
| Degree of Protection | | | IP20 |
| Design | | | rear mounting |
| | | |  |
| Rated uninterrupted current | I_u | A | 1250 |
| Note on rated uninterrupted current I_u | | | Rated uninterrupted current I_u is specified for max. cross-section. |

Technical data

General

| | | | |
|---------------------------------------|-----------|----|---|
| Standards | | | IEC/EN 60947, VDE 0660, IEC/EN 60204 Switch-disconnector according to IEC/EN 60947-3 |
| Certifications | | | CE, RoHs |
| Ambient temperature | | | |
| Operation | θ | °C | -25 - +55 |
| Storage | θ | °C | -30 - +80 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated impulse withstand voltage | U_{imp} | kV | 12 |
| Rated insulation voltage | U_i | V | 1200 |
| Mounting position | | | As required |

Contacts

| | | | |
|---|----------|-----------|--|
| Mechanical variables | | | |
| Number of poles | | | 2 pole |
| Auxiliary contacts | | | |
| | | N/O | 1 |
| | | N/C | 1 |
| Electrical characteristics | | | |
| Rated uninterrupted current | I_u | A | 1250 |
| Note on rated uninterrupted current I_u | | | Rated uninterrupted current I_u is specified for max. cross-section. |
| Rated short-time withstand current (1 s current) | I_{cw} | A_{rms} | 25000 |
| Note on rated short-time withstand current I_{cw} | | | Current for a time of 1 second |

| | | | |
|--|-----------|------------|------|
| Rated short-circuit making capacity | I_{cm} | kA_{eff} | 54.5 |
| Heat dissipation per pole, current-dependent | P_{vid} | W | 83 |

Switching capacity

| | | | |
|----------------------------------|------------|---|------|
| Lifespan, mechanical | Operations | | 5000 |
| DC | | | |
| Utilization category DC21B | | | |
| Rated operational current switch | | | |
| 480 V | I_e | A | 1250 |
| 600 V | I_e | A | 1250 |
| 1000 V | I_e | A | 1250 |

Terminal capacities

| | | | |
|--|--|--------|--------------|
| Flat conductor connection with busbars | | mm^2 | 2 x (80 x 5) |
| Terminal screw | | | M12 (2 x) |
| Tightening torque for terminal screw | | Nm | 28 |

Design verification as per IEC/EN 61439

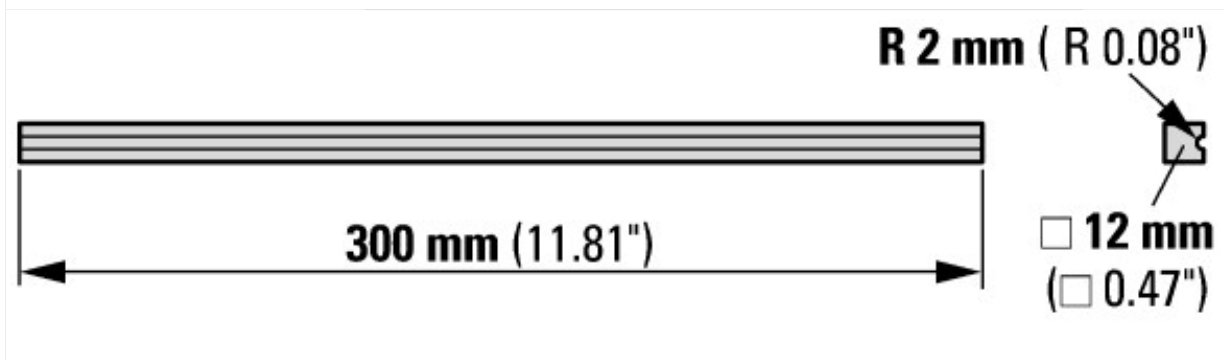
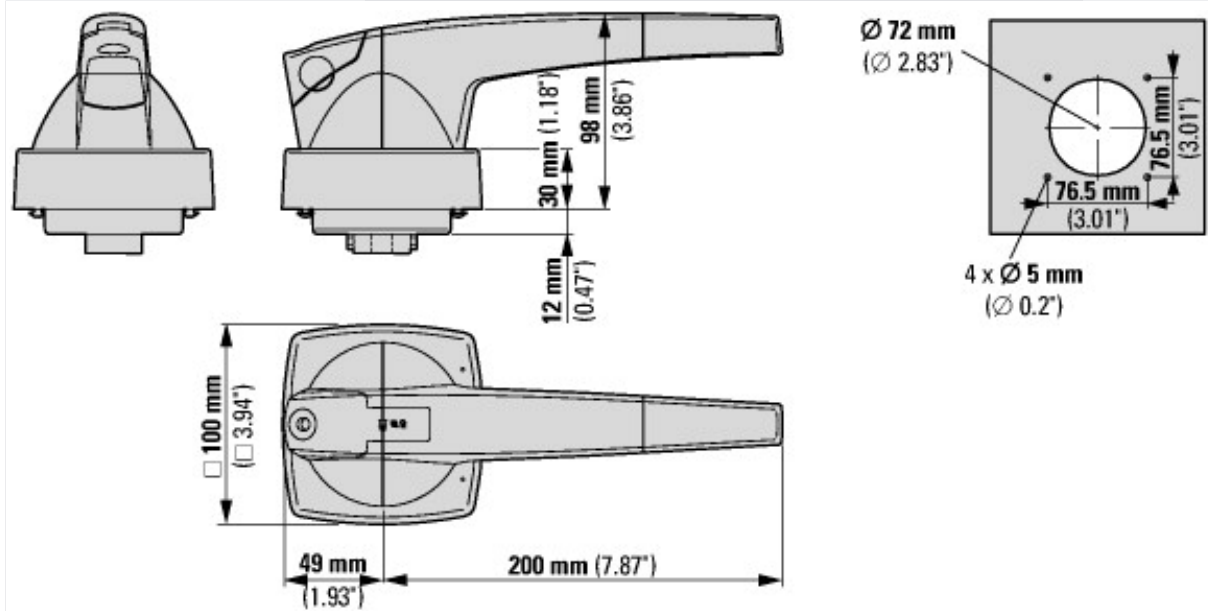
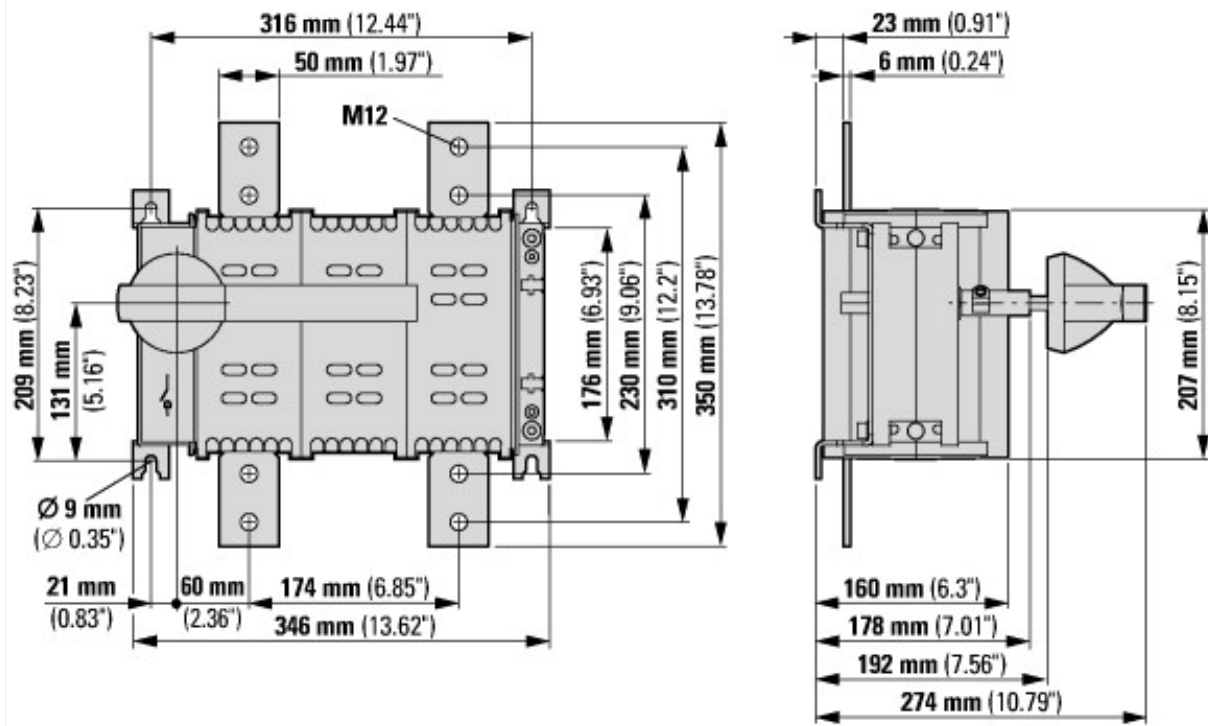
| | | | |
|--|------------|----|--|
| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | I_n | A | 1250 |
| Heat dissipation per pole, current-dependent | P_{vid} | W | 83 |
| Equipment heat dissipation, current-dependent | P_{vid} | W | 0 |
| 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 | | | 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. |

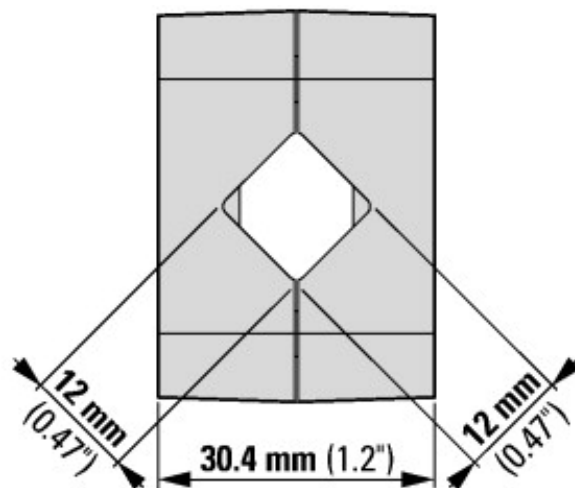
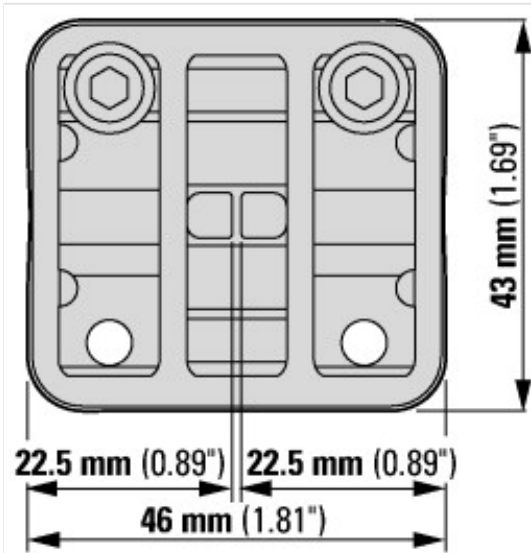
Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Switch disconnecter (EC000216)

| | | | |
|---|--|----|--|
| Version as main switch | | | Yes |
| Version as maintenance-/service switch | | | Yes |
| Version as safety switch | | | No |
| Version as emergency stop installation | | | No |
| Version as reversing switch | | | No |
| Number of switches | | | 1 |
| Max. rated operation voltage Ue AC | | V | 0 |
| Rated operating voltage | | V | 1000 - 1000 |
| Rated permanent current Iu | | A | 1250 |
| Rated permanent current at AC-23, 400 V | | A | 0 |
| Rated permanent current at AC-21, 400 V | | A | 0 |
| Rated operation power at AC-3, 400 V | | kW | 0 |
| Rated short-time withstand current Icw | | kA | 25 |
| Rated operation power at AC-23, 400 V | | kW | 0 |
| Switching power at 400 V | | kW | 0 |
| Conditioned rated short-circuit current Iq | | kA | 0 |
| Number of poles | | | 2 |
| 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 |
| Motor drive optional | | | No |
| Motor drive integrated | | | No |
| Voltage release optional | | | No |
| Device construction | | | Built-in device fixed built-in technique |
| Suitable for ground mounting | | | Yes |
| Suitable for front mounting 4-hole | | | No |
| Suitable for front mounting centre | | | No |
| Suitable for distribution board installation | | | No |
| Suitable for intermediate mounting | | | No |
| Colour control element | | | Grey |
| Type of control element | | | Long turning handle |
| Interlockable | | | Yes |
| Type of electrical connection of main circuit | | | Screw connection |
| Degree of protection (IP), front side | | | IP20 |
| Degree of protection (NEMA) | | | Other |

Dimensions





Assets (links)

Instruction Leaflets

IL008015ZU2018_05

Additional product information (links)

IL008015ZU Switch disconnecter DDC, DC-Switch (Box 3)

| | |
|---|---|
| IL008015ZU Switch disconnecter DDC, DC-Switch (Box 3) | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL008015ZU2018_05.pdf |
| Technical overview cam switch, switch-disconnector | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2 |
| System overview cam switch T | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4 |
| System overview switch-disconnector P | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.6 |
| Key to part numbers Cam switch | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8 |
| Key to part numbers Switch-disconnector | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8 |
| Switches for ATEX | http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html |