



DIL CONTACTORS
281193


Overview


Specifications


Resources


How to



281193

Eaton Moeller® series DILM Paralleling link, for DI





-  WIN-WIN with Push-in Terminals
-  How to improve wiring



Photo is representative

GENERAL SPECIFICATIONS

General specifications



| | |
|----------------------|---|
| PRODUCT NAME | Eaton Moeller® series DILM paralleling link |
| CATALOG NUMBER | 281193 |
| MODEL CODE | DILM12-XP1 |
| EAN | 4015082811938 |
| PRODUCT LENGTH/DEPTH | 34 mm |
| PRODUCT HEIGHT | 30 mm |
| PRODUCT WIDTH | 32 mm |
| PRODUCT WEIGHT | 0.039 kg |

Product specifications



CSA File No.: 012528
IEC/EN 60947-4-1
UL Category Control No.: NLDX

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| CERTIFICATIONS | CSA CSA-C22.2 No. 14-05 CE UL 508 UL File No.: E29096 CSA Class No.: 3211-03 UL |
| PRODUCT SPECIFICATIONS | |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 50 A |
| PRODUCT CATEGORY | Accessories |
| 10.11 SHORT-CIRCUIT RATING | Is the panel builder's responsibility. The specification must be observed. |
| ACCESSORY/SPARE PART TYPE | Connecting bridge |
| TERMINAL CAPACITY | 1 - 16 mm ² , solid 1 x (0.5 - 25) mm ² , stranded 2 x (0.5 - 16) mm ² , flexible with ferrule 6 x 9 x 0.8 mm Number of segments x width x thickness 2 x (0.5 - 16) mm ² , stranded 1 x (0.5 - 25) mm ² , flexible with ferrule |
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID | 0.2 W |
| HEAT DISSIPATION CAPACITY PDISS | 0 W |
| 10.4 CLEARANCES AND CREEPAGE DISTANCES | Meets the product standard's requirements. |
| 10.12 ELECTROMAGNETIC COMPATIBILITY | Is the panel builder's responsibility. The specification must be observed. |
| 10.2.5 LIFTING | Does not apply, since the entire switchgear needs to be lifted. |
| 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. |
| 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS | Is the panel builder's responsibility. |
| PROTECTION | Protected against accidental contact in accordance to the standard. |
| 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH | Is the panel builder's responsibility. |
| AMBIENT OPERATING TEMPERATURE - MAX | 60 °C |
| 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS | Is the panel builder's responsibility. |
| 10.10 TEMPERATURE RISE | The panel builder is responsible for the temperature rise. |

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| | Eaton will provide heat dissipation data for the device. |
| STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS | 0 W |
| TIGHTENING TORQUE | 4 Nm, Screw terminal |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE | Is the panel builder's responsibility. |
| SCREWDRIVER SIZE | 2, Terminal screw, Pozidriv screwdriver |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| 10.2.2 CORROSION RESISTANCE | Meets the product standard's requirements. |
| 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS | Does not apply, since the entire switchgear needs to be tested. |
| 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION | Meets the product standard's requirements. |
| 10.2.7 INSCRIPTIONS | Meets the product standard's requirements. |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK | Does not apply, since the entire switchgear needs to be tested. |
| CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1-POLE, OPEN) | 50 A |
| 10.13 MECHANICAL FUNCTION | The device meets the requirements, provided the installation instruction leaflet (IL) is observed. |
| 10.2.6 MECHANICAL IMPACT | Does not apply, since the entire switchgear needs to be tested. |
| 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL | Is the panel builder's responsibility. |
| 10.3 DEGREE OF PROTECTION OF ASSEMBLIES | Does not apply, since the entire switchgear needs to be tested. |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID | 0.2 W |

Catalogs

Declarations of conformity

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Wiring diagrams

281193



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we’re accelerating the planet’s transition to renewable energy and helping to solve the world’s most urgent power management challenges.