DILM150-XP1 - Paralleling link, DILM80 to DILM150

284769 DILM150-XP1

Overview Specifications Resources

284769 DILM150-XP1

Paralleling link, DILM80 to DILM150

Alternate Catalog No.	XTCEXPLKG
EL-Nummer (Norway)	4110365

Paralleling link, Product range: Accessories, Wiring accessories, For use with: DILM80 - DILM170, DILMF80 - DILMF150

- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0
- Approvals

Delivery program

Contact sequence

Product range
Accessories
Accessories
Wiring accessories
For use with
DILM80 - DILM170
DILMF80 - DILMF150
For use with
Paralleling links for DILM80 to DILM170
Information about equipment supplied
consisting of 2 paralleling links
Instructions
AC1 current carrying capacity of the open contactor increases by a factor of 2.5
Protected against accidental contact in accordance to VDE 0106 part 100

Technical data

Parallel link
Terminal capacitiesStranded
1 x (35 - 300)
2 x (35 - 120) mm²

Terminal capacitiesFlat conductor [Lamellenzahl x Breite x Dicke]
2 x (11 x 21 x 1) mm
Tightening torque
14 Nm
ToolHexagon socket-head spanner [SW]
6 mm
Conventional thermal current [I_{th} = I_e]3 pole [I_{th}]
400 A

Design verification as per IEC/EN 61439

Technical data for design verification
Rated operational current for specified heat dissipation [I_n]
400 A
Heat dissipation per pole, current-dependent [P_{vid}]
12.6 W
Equipment heat dissipation, current-dependent [P_{vid}]
37.8 W
Static heat dissipation, non-current-dependent [P_{vs}]
0 W
Heat dissipation capacity [P_{diss}]
0 W
Operating ambient temperature min.
-25 °C
Operating ambient temperature max.
+60 °C
IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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) / Accessories for low-voltage switch technology (EC002498)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switch technology (accessories) (ecl@ss10.0.1-27-37-13-92 [AKN570013])
Type of accessory
Connecting bridge

Approvals

Product Standards
IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.
E29096
UL Category Control No.
NLDX
CSA File No.
012528
CSA Class No.
3211-03
North America Certification
UL listed, CSA certified
Specially designed for North America
No

CAD data

- Product-specific CAD data
  (Web)
- 3D Preview
  (Web)

DWG files

- DA-CD-dil_m150_xp1
  File
  (Web)

edz files

- DA-CE-ETN.DILM150-XP1
  File
  (Web)

Step files

- DA-CS-dil_m150_xp1
  File
  (Web)

Additional product information

- Motor starters and "Special Purpose Ratings" for the North American market
  (PDF)
- Switchgear of Power Factor Correction Systems
  (PDF)
- X-Start - Modern Switching Installations Efficiently Fitted and Wired Securely
  (PDF)
- Mirror Contacts for Highly-Reliable Information Relating to Safety-Related Control Functions
  (PDF)
- Effect of the Cabel Capacitance of Long Control Cables on the Actuation of Contactors
  (PDF)
- Switchgear for Luminaires
  (PDF)
- Standard Compliant and Functionally Safe Engineering Design with Mechanical Auxiliary Contacts

(PDF)
- The Interaction of Contactors with PLCs
  (PDF)
- Busbar Component Adapters for modern Industrial control panels
  (PDF)

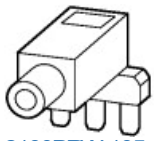
Wiring diagram

- 
  210S103
  Line drawing
  Parallel connectors, 3-pole

Product photo

- 
  2100PIC-49
  Photo
  Paralleling link

3D drawing

- 
  2100DRW-105
  Line drawing
  Paralleling link

Standards

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