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Powering Business Worldwide

DILM500-XMV - Mechanical interlock for DILM185A up to DILM500



208289 DILM500-XMV

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208289 DILM500-XMV

Mechanical interlock for DILM185A up to DILM500

Alternate Catalog No.

XTCEXMLM

EL-Nummer (Norway)

4134094

Interlock, Product range: Accessories, Mechanical interlock, For use with: DILM185A, DILM225A,, DILM250, DILM300A,, DILM400, DILM500,



• [Delivery program](#)

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Delivery program

Product range

Accessories

Accessories

Mechanical interlock

For use with

DILM185A, DILM225A,

DILM250, DILM300A,

DILM400, DILM500,

For use with

Mechanical interlock for DILM185 up to DILM500

Notes

For contactors with the same or different magnet systems, mounted horizontally or vertically, mechanical lifespan 5 x

10 operations⁶ Connections between the mechanical interlock and the contactor **None** Auxiliary contact possible.

Contactors DILM250 to DILM500 can be interlocked with each other in all combinations.

Contactors DILM185A and DILM225A can be interlocked with each other in all combinations.

For combinations of DILM185A or DILM225A with DILM250 to DILM500, maintain a 36 mm offset to the mounting plate (IL03406009Z).

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_n]

0 A

Heat dissipation per pole, current-dependent [P_{vid}]

0 W

Equipment heat dissipation, current-dependent [P_{vid}]

0 W

Static heat dissipation, non-current-dependent [P_{vs}]

0 W

Heat dissipation capacity [P_{diss}]

0 W

Operating ambient temperature min.

-40 °C

Operating ambient temperature max.

+60 °C

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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.10 Temperature rise

Not applicable.

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.

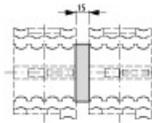
Technical data ETIM 7.0

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
Mechanical locking

Approvals

Product Standards
IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.
E29184
UL Category Control No.
NKCR
CSA File No.
012528
CSA Class No.
3211-04
North America Certification
UL listed, CSA certified
Specially designed for North America
No

Dimensions



CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

DWG files

- [DA-CD-dil_m_xmv](#)
File
(Web)

edz files

- [DA-CE-ETN.DILM500-XMV](#)
File
(Web)

Step files

- [DA-CS-dil_m_xmv](#)
File
(Web)

Product presentation



[DILM500-XMV_C](#)
Photo
Mechanical interlock

(Web)



[DILM500-XMM_L](#)

Photo

Mechanical interlock

(Web)



[DILM500-XMM_R](#)

Photo

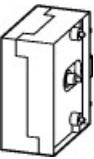
Mechanical interlock

(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 Cable 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 \(PDF\)](#)

3D drawing



[210I161](#)

Line drawing

Mechanical interlock

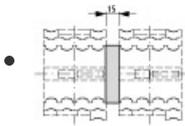
Explosion drawing

- [210O126](#)
Line drawing
Contactor system overview

Product photo

- [210A219](#)
Photo
Mechanical interlock

Dimensions single product



2100DIM-21

Line drawing

Mechanical interlock

Instruction Leaflet

- [Accessories for Contactors > 170 A \(IL03406009Z\)](#)
Asset
(PDF, 01/2021, multilingual)
- [DILM...XMM Mechanical Interlock \(IL03407029Z\)](#)
Asset
former AWA2100-2128
(PDF, 07/2019, multilingual)

Standards

- [000Z153](#)
Logo
xStart logo

Declaration of Conformity

UK

- [Contactor \(DA-DC-00003824\)](#)
Asset
(PDF)

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