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Worldwide English



DILM12-XSPV130 - Varistor suppressor circuit, 48 - 130 AC V, For use with: DILM7 - DILM15, DILMP20, DILA



281209 DILM12-XSPV130

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## 281209 DILM12-XSPV130

Varistor suppressor circuit, 48 - 130 AC V, For use with: DILM7 - DILM15, DILMP20, DILA

Alternate Catalog No.

XTCEXVSBA

EL-Nummer (Norway)

0004110353

Varistor suppressor circuit, Accessories: Suppressor circuit, Voltage: Us 48 - 130 AC V, For use with: DILM7 - DILM15, DILMP20, DILA

### Delivery program

Product range

Accessories

Accessories

Suppressor circuit

Voltage [ $U_s$ ]

48 - 130 AC V

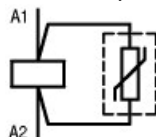
For use with

DILM7 - DILM15

DILMP20

DILA

Contact sequence



### Instructions

For AC operation contactors 50 - 60 Hz.

With DC operated contactors and with DILM115 and DILM150 the suppressor is integrated.

Note drop-out delay

### 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 [ $P_{id}$ ]

0 W

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

0 W  
 Static heat dissipation, non-current-dependent [ $P_{\text{vs}}$ ]  
 0 W  
 Heat dissipation capacity [ $P_{\text{diss}}$ ]  
 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 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  
 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

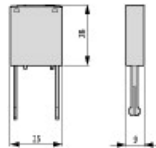
Low-voltage industrial components (EG000017) / Surge protection module (EO000683)  
 Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) /  
 Component for protective circuit (ecl@ss10.0.1-27-37-10-10 [AKF019013])  
 Function  
 Varistor (voltage-sensitive resistor)  
 Rated control supply voltage  $U_s$  at AC 50Hz  
 48 - 130 V  
 Rated control supply voltage  $U_s$  at AC 60Hz  
 48 - 130 V  
 Rated control supply voltage  $U_s$  at DC  
 0 - 0 V  
 Voltage type for actuating

AC  
With LED indication  
No

## 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.  
NKCR2, NKCR8  
CSA File No.  
256465  
CSA Class No.  
3211-07  
North America Certification  
UL recognized, 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\\_xsp\\_a](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.DILM12-XSPV130](#)  
File  
(Web)

## Step files

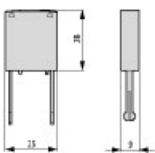
- [DA-CS-dil\\_m\\_xsp\\_a](#)  
File  
(Web)

## Additional product information

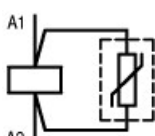
- [Motor starters and "Special Purpose Ratings" for the North American market](#)  
(PDF)
- [Switchgear of Power Factor Correction Systems](#)  
(PDF)
- [X-Start - Modern Switching Installations Efficiently Fitted and Wired Securely](#)  
(PDF)
- [Mirror Contacts for Highly-Reliable Information Relating to Safety-Related Control Functions](#)  
(PDF)
- [Effect of the 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)

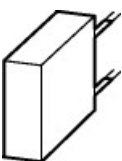
## Dimensions single product

-   
[210X228](#)  
Line drawing  
Suppressor

## Wiring diagram

-   
[250S023](#)  
Line drawing  
Varistor suppressor

## 3D drawing

-   
[210I108](#)  
Line drawing  
Suppressor

## Product photo

-   
[2100PIC-66](#)  
Photo  
Suppressor: RC suppressor

## Instruction Leaflet

- [DILA, DILM7 - DILM15 Contactors \(IL03407013Z\)](#)  
Asset  
former AWA2100-2126  
(PDF, 05/2020, multilingual)

## Standards

-   
[000Z153](#)  
Logo  
xStart logo

## Declaration of Conformity

EU

- [Lighting Starter LSC \(DA-DC-00003637\)](#)  
Asset  
(PDF)
- [MSC-DE Frame size 1 \(DA-DC-00003638\)](#)  
Asset  
(PDF)
- [Motor starter combination MSC-DMframe size 1 \(DA-DC-00003639\)](#)  
Asset  
(PDF)
- [MSC Frame size 1 \(DA-DC-00003640\)](#)  
Asset  
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