

Specifications



Eaton 281209

Eaton Moeller® series DILM Varistor suppressor circuit, 48 - 130 AC V, For use with: DILM7 - DILM15, DILMP20, DILA

General specifications

PRODUCT NAME	Eaton Moeller® series DILM varistor suppressor circuit
CATALOG NUMBER	281209
MODEL CODE	DILM12-XSPV130
EAN	4015082812096
PRODUCT LENGTH/DEPTH	48 mm
PRODUCT HEIGHT	25 mm
PRODUCT WIDTH	9 mm
PRODUCT WEIGHT	0.005 kg
CERTIFICATIONS	CSA-C22.2 No. 14-05 UL 508 UL Category Control No.: NKCR2, NKCR8 IEC/EN 60947-4-1 UL File No.: E29184 CSA File No.: 256465 CSA CSA Class No.: 3211-07 UL Recognized CE
CATALOG NOTES	With DC operated contactors and with DILM115 and DILM150 the suppressor is integrated.



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Climatic environmental conditions

**AMBIENT OPERATING
TEMPERATURE - MAX** 60 °C

**AMBIENT OPERATING
TEMPERATURE - MIN** -25 °C

Design verification

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.

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 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. 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

Does not apply, since the

AGAINST ELECTRIC SHOCK	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.
10.9.2 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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Features & functions

FUNCTIONS	Varistor (voltage-sensitive resistor)
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General information

PRODUCT CATEGORY	Accessories
USED WITH	DILM12-XSPV130
VOLTAGE TYPE	AC

Magnet system

**RATED CONTROL SUPPLY
VOLTAGE (US) AT AC, 50
HZ - MAX** 130 V

**RATED CONTROL SUPPLY
VOLTAGE (US) AT AC, 50
HZ - MIN** 48 V

**RATED CONTROL SUPPLY
VOLTAGE (US) AT AC, 60
HZ - MAX** 130 V

**RATED CONTROL SUPPLY
VOLTAGE (US) AT AC, 60
HZ - MIN** 48 V

**RATED CONTROL SUPPLY
VOLTAGE (US) AT DC -
MAX** 0 V

**RATED CONTROL SUPPLY
VOLTAGE (US) AT DC -
MIN** 0 V

Resources

CATALOGUES [eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

DRAWINGS [eaton-contactors-dilm-accessory-dimensions-003.eps](#)

ECAD MODEL [ETN.281209.edz](#)

INSTALLATION INSTRUCTIONS [eaton-contactors-dila-dilm7-15-dilmp20-il03407013z.pdf](#)

INSTALLATION VIDEOS [WIN-WIN with push-in technology](#)

MCAD MODEL [DA-CS-dil_m_xsp_a](#)

[eaton-surge-protectors-mcad-drawings-dil-m-xsp-a.dwg](#)

WIRING DIAGRAMS [eaton-timers-suppressor-dilm-accessory-wiring-diagram.eps](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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