Specifications

Eaton 281211

Catalog Number: 281211

Eaton Moeller® series DILM Varistor suppressor circuit, 240 - 500 AC V, For use with: DILM7 - DILM15, DILMP20, DILA

Photo is representative

General specifications

Product Name
Eaton Moeller® series DILM varistor suppressor circuit

Catalog Number
281211

Model Code
DILM12-XSPV500

EAN
4015082812119

Product Length/Depth
48 mm

Product Height
25 mm

Product Width
9 mm

Product Weight
0.006 kg

Certifications
UL Category Control No.: NKCR2, NKCR8
CSA File No.: 256465
IEC/EN 60947-4-1
UL File No.: E29184
CSA
CSA Class No.: 3211-07
CSA-C22.2 No. 14-05
UL 508
UL Recognized
CE

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

Powering Business Worldwide

Product specifications

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.

Resources

Catalogs

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

SmartWire-DT Catalog

Product Range Catalog Switching and protecting motors

Switching and protecting motors - catalog

Declarations of conformity

DA-DC-00004777.pdf

DA-DC-00004881.pdf

DA-DC-00004937.pdf

DA-DC-00004792.pdf

DA-DC-00004913.pdf

DA-DC-00004244.pdf

DA-DC-00004810.pdf

DA-DC-00004811.pdf

DA-DC-00004976.pdf

DA-DC-00004972.pdf

DA-DC-00004969.pdf

DA-DC-00004789.pdf

DA-DC-00004246.pdf

Drawings

eaton-contactors-dilm-accessory-dimensions-003.eps

210X228

eCAD model

ETN.DILM12-XSPV500

ETN.281211.edz

Installation instructions

eaton-contactors-dila-dilm7-15-dilmp20-instruction-leaflet-il03407013z.pdf

Installation videos

WIN-WIN with push-in technology

mCAD model

DA-CD-dil_m_xsp_a

DA-CS-dil_m_xsp_a

eaton-cadenas-front_view-dil_m_xsp_a_front.pra

eaton-cadenas-side_view-dil_m_xsp_a_side.pra

eaton-cadenas-path-01-geo-dil_m_xsp_a.3db

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.

10.9.2 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.

Functions

Varistor (voltage-sensitive resistor)

Ambient operating temperature - max

60 °C

Ambient operating temperature - min

-25 °C

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Rated control supply voltage (Us) at AC, 50 Hz - max

500 V

Rated control supply voltage (Us) at AC, 50 Hz - min

240 V

Rated control supply voltage (Us) at AC, 60 Hz - max

500 V

Rated control supply voltage (Us) at AC, 60 Hz - min

240 V

Rated control supply voltage (Us) at DC - max

Wiring diagrams

250S023

eaton-timers-suppressor-dilm-accessory-wiring-diagram.eps

0 V

Rated control supply voltage (Us) at DC - min

0 V

Static heat dissipation, non-current-dependent Pvs

0 W

Product category

Accessories

Rated operational current for specified heat dissipation (In)

0 A

Voltage type

AC

Voltage type of operating voltage

AC

Operating voltage at AC, 50 Hz - min

240 V

Operating voltage at AC, 50 Hz - max

500 V

Operating voltage at AC, 60 Hz - min

240 V

Operating voltage at AC, 60 Hz - max

500 V

Operating voltage at DC - min

0 V

Operating voltage at DC - max

0 V

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