Specifications

Eaton 281212

Catalog Number: 281212

Eaton Moeller® series DILM Varistor suppressor circuit, 24 - 48 AC V, For use with: DILM17 - DILM32, DILK12 - DILK25, DILL…, DILMP32 - DILMP45 DILM32-XSPV48



General specifications

Product Name
Eaton Moeller® series DILM varistor suppressor circuit

Catalog Number
281212

EAN
4015082812126

Product Length/Depth
43 mm

Product Height
25 mm

Product Width
9 mm

Product Weight
0.005 kg

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

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

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Features Functions

Functions

Varistor (voltage-sensitive resistor)

General

Product category

Accessories

Used with

DILL… and DILM32-XSPV48

Voltage type

AC

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

60 °C

Magnet system

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

24 V

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

48 V

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

24 V

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

48 V

Rated control supply voltage (Us) at DC - min

0 V

Rated control supply voltage (Us) at DC - max

0 V

Design verification

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

10.2.2 Corrosion resistance

Meets the product standard's requirements.

Resources

Catalogs

Product Range Catalog Switching and protecting motors

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

SmartWire-DT Catalog

Declarations of conformity

DA-DC-00004814.pdf

DA-DC-00004988.pdf

DA-DC-00004776.pdf

DA-DC-00004815.pdf

DA-DC-00004816.pdf

DA-DC-00004983.pdf

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 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.

DA-DC-00004880.pdf

DA-DC-00004784.pdf

DA-DC-00004785.pdf

DA-DC-00004912.pdf

DA-DC-00004996.pdf

DA-DC-00004819.pdf

DA-DC-00004783.pdf

DA-DC-00005005.pdf

DA-DC-00004992.pdf

Drawings

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

eCAD model

ETN.281212.edz

Installation instructions

IL03407014Z2021_09.pdf

Installation videos

WIN-WIN with push-in technology

mCAD model

DA-CS-dil_m_xsp_a

DA-CD-dil_m_xsp_a

Wiring diagrams

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

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.

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