Specifications

# Eaton 150685




## Catalog Number: 150685

Eaton Moeller® series DILM RC suppressor circuit, 48 - 130 AC V, For use with: DILM40 - DILM95, DILK33 - DILK50, DILMP63 - DILMP200

### General specifications

**Product Name**
Eaton Moeller® series DILM RC suppressor circuit

**Catalog Number**
150685

**EAN**
4015081474707

**Product Length/Depth**
43 mm

**Product Height**
25 mm

**Product Width**
9 mm

**Product Weight**
0.005 kg

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

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

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## Features Functions

Functions

RC-element

## General

Product category

Accessories

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

130 V

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

130 V

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

130 V

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

130 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.

10.2.3.1 Verification of thermal stability of enclosures

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-00004775.pdf

DA-DC-00004070.pdf

DA-DC-00004814.pdf

DA-DC-00004785.pdf

DA-DC-00004774.pdf

DA-DC-00004781.pdf

DA-DC-00004229.pdf

DA-DC-00004817.pdf

DA-DC-00004818.pdf

### 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.

### 10.10 Temperature rise

The panel builder is responsible for the temperature rise

DA-DC-00004782.pdf

### Drawings

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

eaton-contactors-dilm-accessory-3d-drawing-004.eps

### eCAD model

ETN.150685.edz

### Installation instructions

eaton-dil-contactors-instruction-leaflet-il03407039z.pdf

### Installation videos

WIN-WIN with push-in technology

### mCAD model

DA-CD-dil_m_xsp_b

DA-CS-dil_m_xsp_b

### Wiring diagrams

eaton-timers-suppressor-dilm-accessory-wiring-diagram-002.eps

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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