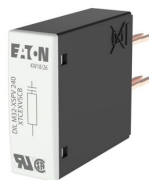
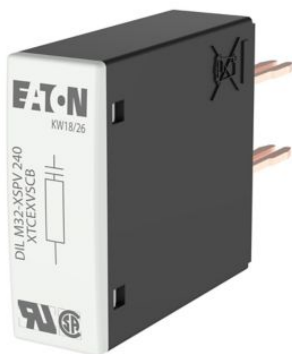


# Specifications



## Eaton 281203

Eaton Moeller® series DILM RC suppressor circuit, 110 - 240 AC V, For use with: DILM17 - DILM32, DILK12 - DILK25, DILL..., DILMP32 - DILMP45

### General specifications

|                                 |                                                                                                                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>             | Eaton Moeller® series<br>DILM RC suppressor<br>circuit                                                                                                                                               |
| <b>CATALOG NUMBER</b>           | 281203                                                                                                                                                                                               |
| <b>MODEL CODE</b>               | DILM32-XSPR240                                                                                                                                                                                       |
| <b>EAN</b>                      | 4015082812034                                                                                                                                                                                        |
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 43 mm                                                                                                                                                                                                |
| <b>PRODUCT HEIGHT</b>           | 25 mm                                                                                                                                                                                                |
| <b>PRODUCT WIDTH</b>            | 9 mm                                                                                                                                                                                                 |
| <b>PRODUCT WEIGHT</b>           | 0.005 kg                                                                                                                                                                                             |
| <b>CERTIFICATIONS</b>           | CSA-C22.2 No. 14-05<br>UL 508<br>CSA File No.: 256465<br>IEC/EN 60947-4-1<br>CSA<br>CE<br>UL Category Control No.:<br>NKCR2, NKCR8<br>UL File No.: E29184<br>CSA Class No.: 3211-07<br>UL Recognized |
| <b>CATALOG NOTES</b>            | With DC operated<br>contactors and with<br>DILM115 and DILM150 the<br>suppressor is integrated.                                                                                                      |

## 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

|                                                                      |                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>AGAINST ELECTRIC SHOCK</b>                                        | entire switchgear needs to be evaluated.                           |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>        | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>             | Is the panel builder's responsibility.                             |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                      | Is the panel builder's responsibility.                             |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                      | Is the panel builder's responsibility.                             |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                              | Is the panel builder's responsibility.                             |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>      | Is the panel builder's responsibility.                             |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>            | 0 W                                                                |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                               | 0 W                                                                |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>             | 0 W                                                                |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                                                |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                                                |

## Features & functions

|                  |            |
|------------------|------------|
| <b>FUNCTIONS</b> | RC-element |
|------------------|------------|

## General information

|                         |                            |
|-------------------------|----------------------------|
| <b>PRODUCT CATEGORY</b> | Accessories                |
| <b>USED WITH</b>        | DILL... and DILM32-XSPR240 |
| <b>VOLTAGE TYPE</b>     | AC                         |

## Magnet system

**RATED CONTROL SUPPLY  
VOLTAGE (US) AT AC, 50  
HZ - MAX** 240 V

**RATED CONTROL SUPPLY  
VOLTAGE (US) AT AC, 50  
HZ - MIN** 110 V

**RATED CONTROL SUPPLY  
VOLTAGE (US) AT AC, 60  
HZ - MAX** 240 V

**RATED CONTROL SUPPLY  
VOLTAGE (US) AT AC, 60  
HZ - MIN** 110 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.281203.edz](#)

INSTALLATION INSTRUCTIONS [IL03407014Z2021\\_09.pdf](#)

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

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

WIRING DIAGRAMS [eaton-timers-suppressor-dilm-accessory-wiring-diagram-002.eps](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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