VGDILE48 - Varistor suppressor, 48VAC, for DILE, screw connection

010320 VGDILE48

**Overview Specifications Resources**


# 010320 VGDILE48

Varistor suppressor, 48VAC, for DILE, screw connection

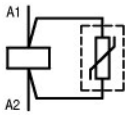
| | |
|---|---|
| Alternate Catalog No. | XTMCXVSW |
| EL-Nummer (Norway) | 4130397 |

Varistor suppressor circuit, Accessories: Suppressor circuit, Description: Varistor suppressor, Actuating voltage: Us 24 - 48 AC V, For use with: DILE..



## Delivery program

Accessories
Suppressor circuit
Description
Varistor suppressor
Actuating voltage [$U_s$]
24 - 48 AC V
Contact sequence




For use with
DILE..
**Instructions**
For AC operation contactors 50 - 60 Hz.
The suppressor is fitted as standard in DC operated contactor relays.
Note drop-out delay

## Design verification as per IEC/EN 61439

Technical data for design verification
Rated operational current for specified heat dissipation [$I_n$]
0 A
Heat dissipation per pole, current-dependent [$P_{vid}$]
0 W
Equipment heat dissipation, current-dependent [$P_{vid}$]
0 W
Static heat dissipation, non-current-dependent [$P_{vs}$]
0 W
Heat dissipation capacity [$P_{diss}$]
0 W
Operating ambient temperature min.
-25 °C
Operating ambient temperature max.
+50 °C
IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 Insulation properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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 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.

## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Surge protection module (EC000683)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Component for protective circuit (ecl@ss10.0.1-27-37-10-10 [AKF019013])
Function
Varistor (voltage-sensitive resistor)
Rated control supply voltage Us at AC 50HZ
24 - 48 V
Rated control supply voltage Us at AC 60HZ
24 - 48 V
Rated control supply voltage Us at DC
0 - 0 V
Voltage type for actuating
AC
With LED indication
No

## Approvals

Product Standards
IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.
E29096
UL Category Control No.
NLDX
CSA File No.
012528
CSA Class No.
3211-03
North America Certification
UL listed, CSA certified
Specially designed for North America
No

## Dimensions


DILE-... + VGDILE..

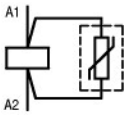
# CAD data

- Product-specific CAD data
  (Web)
- 3D Preview
  (Web)

# Declaration of Conformity

- DA-DC-00002844
  Declaration of Conformity
  (PDF)
- DA-DC-00003110
  Declaration of Conformity
  (PDF)

# Wiring diagram

- 

  Contact sequence
  Varistor suppressor
  Wiring diagram
  Line drawing

# 3D drawing

- □
  250I008
  Varistor suppression element
  3D drawing
  Line drawing

# Dimensions single product

- 
  210X048
  Suppressor
  Dimensions single product
  Line drawing

# Product photo

- 
  Photo
  RC suppressor, varistor suppressor
  Product photo
  Photo

# Download-Center

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