

## Varistor suppressor, 48VAC, for DILE, screw connection

**Part no.** VGDILE48  
**010320**  
**EL Number** 4130397  
**(Norway)**

| General specifications   |  |
|--|--|
| Product name   | Eaton Moeller® series DILE Accessory Varistor suppressor circuit   |
| Part no.   | VGDILE48   |
| EAN  | 4015080103202  |
| Product Length/Depth   | 16 millimetre  |
| Product height   | 29 millimetre  |
| Product width  | 33 millimetre  |
| Product weight   | 0.01 kilogram  |
| Certifications   | UL Category Control No.: NLDX<br>CSA Class No.: 3211-03<br>CSA-C22.2 No. 14-05<br>UL<br>CSA File No.: 012528<br>UL File No.: E29096<br>IEC/EN 60947-4-1<br>CE<br>CSA<br>UL 508 |
| Product Tradename  | DILE   |
| Product Type   | Accessory  |
| Product Sub Type   | Varistor suppressor circuit  |
| Features & Functions   |  |
| Functions  | Varistor (voltage-sensitive resistor)  |
| General information  |  |
| Product category   | Accessories  |
| Voltage type   | AC   |
| Climatic environmental conditions  |  |
| Ambient operating temperature - min  | -25 °C   |
| Ambient operating temperature - max  | 50 °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 Pdis   | 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.   |
| 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.   |

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| 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 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 9.0

|   |  |   |                                       |
|---|--|---|---------------------------------------|
| 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@ss13-27-10-10 [AKF019018]) |  |   |                                       |
| Function  |  |   | Varistor (voltage-sensitive resistor) |
| Voltage type (operating voltage)  |  |   | AC                                    |
| Operating voltage AC 50 Hz  |  | V | 24 - 48                               |
| Operating voltage AC 60 Hz  |  | V | 24 - 48                               |
| Operating voltage DC  |  | V | 0 - 0                                 |
| With LED indication   |  |   | No                                    |