

**Varistor suppressor circuit, +LED, 24 - 48 AC V, For use with: DILM7 - DILM15, DILMP20, DILA**

**Part no. DILM12-XSPVL48  
281220**

<b>General specifications</b>		
Product name		Eaton Moeller® series DILM varistor suppressor circuit
Part no.		DILM12-XSPVL48
EAN		4015082812201
Product Length/Depth		50 millimetre
Product height		25 millimetre
Product width		9 millimetre
Product weight		0.005 kilogram
Certifications		CSA File No.: 256465 UL File No.: E29184 UL Recognized UL 508 UL Category Control No.: NKCR2, NKCR8 CSA CSA Class No.: 3211-07 CSA-C22.2 No. 14-05 CE IEC/EN 60947-4-1
Product Tradename		DILM
Product Type		Accessory
Product Sub Type		Varistor suppressor circuit
Catalog Notes		With DC operated contactors and with DILM115 and DILM150 the suppressor is integrated.
<b>Features &amp; Functions</b>		
Functions		Varistor (voltage-sensitive resistor)
Fitted with:		LED indication
<b>General information</b>		
Product category		Accessories
Used with		DILM12-XSPVL48
Voltage type		AC
<b>Climatic environmental conditions</b>		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		60 °C
<b>Magnet system</b>		
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
<b>Design verification</b>		
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.
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@ss13-27-37-10-10 [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		Yes