

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



**Part no.** DILM12-XSPV48

281208

**EL Number  
(Norway)**

4131894

General specifications	
Product name	Eaton Moeller® series DILM varistor suppressor circuit
Part no.	DILM12-XSPV48
EAN	4015082812089
Product Length/Depth	48 millimetre
Product height	25 millimetre
Product width	9 millimetre
Product weight	0.005 kilogram
Certifications	UL Recognized IEC/EN 60947-4-1 UL Category Control No.: NKCR2, NKCR8 CSA-C22.2 No. 14-05 UL File No.: E29184 CE CSA Class No.: 3211-07 UL 508 CSA File No.: 256465 CSA
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.
Features & Functions	
Functions	Varistor (voltage-sensitive resistor)
General information	
Product category	Accessories
Used with	DILM12-XSPV48
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	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 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.
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 8.0

Low-voltage industrial components (EG000017) / Surge protection module (EC000683)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Overvoltage limiter (ecl@ss10.0.1-27-37-10-13 [AKF022013])		
Function		Varistor (voltage-sensitive resistor)
Rated control supply voltage $U_s$ at AC 50HZ	V	24 - 48
Rated control supply voltage $U_s$ at AC 60HZ	V	24 - 48
Rated control supply voltage $U_s$ at DC	V	0 - 0
Voltage type for actuating		AC
With LED indication		No