

**Part no.** **DILM12-XSPV500**  
**281211**

<b>General specifications</b>		
Product name		Eaton Moeller® series DILM varistor suppressor circuit
Part no.		DILM12-XSPV500
EAN		4015082812119
Product Length/Depth		48 millimetre
Product height		25 millimetre
Product width		9 millimetre
Product weight		0.006 kilogram
Certifications		CSA-C22.2 No. 14-05 CE CSA Class No.: 3211-07 UL Category Control No.: NKCR2, NKCR8 UL Recognized IEC/EN 60947-4-1 CSA CSA File No.: 256465 UL 508 UL File No.: E29184
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)
<b>General information</b>		
Product category		Accessories
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		240 V
Rated control supply voltage (Us) at AC, 50 Hz - max		500 V
Rated control supply voltage (Us) at AC, 60 Hz - min		240 V
Rated control supply voltage (Us) at AC, 60 Hz - max		500 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 P <sub>vid</sub>		0 W
Heat dissipation capacity P <sub>diss</sub>		0 W
Heat dissipation per pole, current-dependent P <sub>vid</sub>		0 W
Rated operational current for specified heat dissipation (I <sub>n</sub> )		0 A
Static heat dissipation, non-current-dependent P <sub>vs</sub>		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	240 - 500
Operating voltage AC 60 Hz		V	240 - 500
Operating voltage DC		V	0 - 0
With LED indication			No