

Varistor suppressor circuit, For use with: DILM580, DILM650, DILM750, DILM820, DILM1000, DILH1200, DILH1400



**Part no.** **DILM1000-XSM**  
**125947**

<b>General specifications</b>	
Product name	Eaton Moeller® series DILM varistor suppressor circuit
Part no.	DILM1000-XSM
EAN	4015081235575
Product Length/Depth	24 millimetre
Product height	85 millimetre
Product width	230 millimetre
Product weight	0.393 kilogram
Certifications	CE UL 508 UL Category Control No.: NLDX UL File No.: E29096 CSA File No.: 165628 IEC/EN 60947-4-1 CSA UL CSA-C22.2 No. 14-05 CSA Class No.: C321104
Product Tradename	DILM
Product Type	Accessory
Product Sub Type	Varistor suppressor circuit
<b>Features &amp; Functions</b>	
Functions	For damping the cutout overvoltage when switching off inductive loads. Varistor (voltage-sensitive resistor)
<b>General information</b>	
Product category	Accessories
Voltage type	AC
<b>Climatic environmental conditions</b>	
Ambient operating temperature - min	-40 °C
Ambient operating temperature - max	60 °C
<b>Magnet system</b>	
Rated control supply voltage (Us) at AC, 50 Hz - min	0 V
Rated control supply voltage (Us) at AC, 50 Hz - max	1000 V
Rated control supply voltage (Us) at AC, 60 Hz - min	0 V
Rated control supply voltage (Us) at AC, 60 Hz - max	1000 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	1177 - 1177
Operating voltage AC 60 Hz		V	1177 - 1177
Operating voltage DC		V	
With LED indication			No