

RC suppressor circuit, 240 - 500 AC V, For use with: DILM7 - DILM15, DILMP20, DILA



**Part no.** DILM12-XSPR500

281201

**EL Number  
(Norway)**

4131889

General specifications		
Product name		Eaton Moeller® series DILM RC suppressor circuit
Part no.		DILM12-XSPR500
EAN		4015082812010
Product Length/Depth		48 millimetre
Product height		25 millimetre
Product width		9 millimetre
Product weight		0.005 kilogram
Certifications		IEC/EN 60947-4-1 UL File No.: E29184 CSA Class No.: 3211-07 CSA UL Recognized UL 508 CE UL Category Control No.: NKCR2, NKCR8 CSA File No.: 256465 CSA-C22.2 No. 14-05
Product Tradename		DILM
Product Type		Accessory
Product Sub Type		RC suppressor circuit
Catalog Notes		With DC operated contactors and with DILM115 and DILM150 the suppressor is integrated.
Features & Functions		
Functions		RC-element
General information		
Product category		Accessories
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		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
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.
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			RC-element
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