DATASHEET - DILM12-XSPVL240

Varistor suppressor circuit, 130 - 240 AC V, For use with: DILM7 - DILM12, DILMP20, DILA

Powering Business Worldwide™

Part no.	**DILM12-XSPVL240**
	281221
EL Number (Norway)	**4110359**

General specifications

Product name	Eaton Moeller® series DILM varistor suppressor circuit
Part no.	DILM12-XSPVL240
EAN	4015082812218
Product Length/Depth	50 millimetre
Product height	25 millimetre
Product width	9 millimetre
Product weight	0.006 kilogram
Certifications	CSA File No.: 256465 UL Recognized CSA-C22.2 No. 14-05 UL File No.: E29184 CE UL 508 CSA Class No.: 3211-07 UL Category Control No.: NKCR2, NKCR8 IEC/EN 60947-4-1 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)
Fitted with:	LED indication

General information

Product category	Accessories
Used with	DILM12-XSPVL240
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	130 V
Rated control supply voltage (Us) at AC, 50 Hz - max	240 V
Rated control supply voltage (Us) at AC, 60 Hz - min	130 V
Rated control supply voltage (Us) at AC, 60 Hz - max	240 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 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	130 - 240
Operating voltage AC 60 Hz		V	130 - 240
Operating voltage DC		V	0 - 0
With LED indication			Yes