

Contactor, 3 pole, 380 V 400 V: 5.5 kW, 24 V DC, DC operation, Screw terminals

Part no. **DILMT12(RDC24)**
190979
EL Number **4100439**
(Norway)

General specifications		
Product name		Eaton Moeller® series DILMT Contactor
Part no.		DILMT12(RDC24)
EAN		4015081912025
Product Length/Depth		77.5 millimetre
Product height		70.1 millimetre
Product width		27 millimetre
Product weight		0.175 kilogram
Certifications		IEC/EN 60947 EN 60335-1 GB14048
Product Tradename		DILMT
Product Type		Contactor
Product Sub Type		None
Catalog Notes		Also tested according to AC-3e. Also suitable for motors with efficiency class IE3.
Features & Functions		
Fitted with:		Varistor suppressor circuit
Number Of Poles		Three-pole
General information		
Application		Contactors for Motors
Connection to SmartWire-DT		No
Degree of protection		IP20
Frame size		FS1
Lifespan, electrical		1,000,000 Operations (at 400V, AC-3)
Lifespan, mechanical		10,000,000 Operations (DC operated)
Operating frequency		3600 mechanical Operations/h (DC operated)
Overvoltage category		III
Pollution degree		3
Product category		Contactors
Rated impulse withstand voltage (Uimp)		6000 V AC
Used with		DILT-XHI...
Utilization category		AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
Voltage type		DC
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		55 °C
Ambient storage temperature - min		40 °C
Ambient storage temperature - max		80 °C
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Terminal capacities		
Terminal capacity (solid)		2 x (0.75 - 2.5) mm ² 1 x (0.75 - 2.5) mm ²
Terminal capacity (stranded)		1 x (0.75 - 2.5) mm ² 2 x (0.75 - 2.5) mm ²
Stripping length (main cable)		14 mm
Screw size		M3.5, Terminal screw

Screwdriver size		2, Terminal screw, Pozidriv screwdriver 2, Terminal screw, Control circuit cables, Pozidriv screwdriver
Tightening torque		0.8 Nm, Screw terminals
Electrical rating		
Rated breaking capacity at 380/400 V		96 A
Rated insulation voltage (Ui)		690 V
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V		20 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V		12 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V		12 A
Rated operational power at AC-3, 380/400 V, 50 Hz		5.5 kW
Rated operational voltage (Ue) at AC - max		660 V
Magnet system		
Rated control supply voltage (Us) at AC, 50 Hz - min		0 V
Rated control supply voltage (Us) at AC, 50 Hz - max		0 V
Rated control supply voltage (Us) at AC, 60 Hz - min		0 V
Rated control supply voltage (Us) at AC, 60 Hz - max		0 V
Rated control supply voltage (Us) at DC - min		24 V
Rated control supply voltage (Us) at DC - max		24 V
Contacts		
Number of auxiliary contacts (normally closed contacts)		0
Number of auxiliary contacts (normally open contacts)		0

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss13-27-37-10-03 [AAB718020])			
Rated control supply voltage AC 50 Hz	V	0 - 0	
Rated control supply voltage AC 60 Hz	V	0 - 0	
Rated control supply voltage DC	V	24 - 24	
Voltage type for actuating		DC	
Number of normally closed contacts as main contact		0	
Number of normally open contacts as main contact		3	
Type of electrical connection of main circuit		Screw connection	
Operating voltage AC 50 Hz	V	24 - 690	
Operating voltage AC 60 Hz	V	24 - 690	
Rated operation current Ie at AC-1, 400 V	A	20	
Rated operation current Ie at AC-3, 400 V	A	12	
Rated operation power at AC-3, 400 V	kW	5.5	
Rated operation current Ie at AC-4, 400 V	A	0	
Rated operation power at AC-4, 400 V	kW	0	
Rated operation power NEMA	kW	0	
Number of auxiliary contacts as normally open contact		0	
Number of auxiliary contacts as normally closed contact		0	
Modular version		No	
Width	mm	27	
Height	mm	70.1	
Depth	mm	77.5	