DATASHEET - DILMT12(RDC24)

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

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

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
Globally Marketable		No
Countries		China
		Denmark
		Romania
		Turkey
		Finland
		France
		Morocco
		Poland
		Switzerland
		Austria
		Italy
		Sweden
		Germany
		Saudi Arabia
		Czech Republic
		Hungary
		Latvia
		Portugal
		United Kingdom of Great Britain and Northern Ireland
		Belgium
		Norway
		United Arab Emirates
		Slovakia
		Netherlands
		Spain
		Israel
Fitted with:		Varistor suppressor circuit
Number Of Poles		Three-pole
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
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 capacity (solid)		2 x (0.75 - 2.5) mm² 1 x (0.75 - 2.5) mm²
Terminal capacity (stranded)		1 x (0.75 - 2.5) mm² 2 x (0.75 - 2.5) mm²
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
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
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
Number of auxiliary contacts (normally closed contacts)		0
Number of auxiliary contacts (normally open contacts)		0

Technical data ETIM 8.0

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@ss10.0.1-27-37-10-03 [AAB718015])		
Rated control supply voltage Us at AC 50HZ	V	0 - 0
Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated control supply voltage Us at DC	V	24 - 24
Voltage type for actuating		DC
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
Modular version		No
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as normally closed contact		0
Type of electrical connection of main circuit		Screw connection
Number of normally closed contacts as main contact		0
Number of normally open contacts as main contact		3