

Contactors, 3 pole, 380 V 400 V: 4 kW, 24 V DC, DC operation, Screw terminals

Part no. DILMT9(RDC24)
190978
EL Number 4100420
(Norway)

General specifications	
Product name	Eaton Moeller® series DILMT Contactor
Part no.	DILMT9(RDC24)
EAN	4015081912018
Product Length/Depth	77.5 millimetre
Product height	70.1 millimetre
Product width	27 millimetre
Product weight	0.175 kilogram
Certifications	GB14048 IEC/EN 60947 EN 60335-1
Product Tradename	DILMT
Product Type	Contactors
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		72 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		9 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V		9 A
Rated operational power at AC-3, 380/400 V, 50 Hz		4 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	9
Rated operation power at AC-3, 400 V	kW	4
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