

Contactor, 3 pole, 380 V 400 V: 37 kW, 24 V DC, DC operation, Screw terminals

Part no. **DILMT80(RDC24)**
190986
EL Number **4100443**
(Norway)

Product name	Eaton Moeller® series DILMT Contactor
Part no.	DILMT80(RDC24)
EAN	4015081912094
Product Length/Depth	124.5 millimetre
Product height	111.5 millimetre
Product width	72 millimetre
Product weight	1.26 kilogram
Certifications	IEC/EN 60947 GB14048 EN 60335-1
Product Tradename	DILMT
Product Type	Contactor
Product Sub Type	None
Globally Marketable	No
Countries	Sweden Portugal Turkey Latvia Poland Romania Switzerland United Arab Emirates Germany Norway Italy Belgium Hungary Slovakia Morocco France China Denmark Saudi Arabia Netherlands Austria Czech Republic Finland Spain United Kingdom of Great Britain and Northern Ireland Israel
	Not suitable for motors with efficiency class IE3.
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	FS4
Lifespan, mechanical	5,000,000 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	DILMT95-XHI11-SR and DILT-XHI01(10)
Utilization category	AC-1: Non-inductive or slightly inductive loads, resistance furnaces 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) mm ² 1 x (0.75 - 2.5) mm ² 1 x (6 - 50) mm ² , Main cables 2 x (6 - 25) mm ² , Main cables
Terminal capacity (stranded)		1 x (6 - 50) mm ² 2 x (6 - 25) mm ² , Main cables
Stripping length (main cable)		16 mm
Screw size		M8, Terminal screw M3.5, Terminal screw 4 mm AF, Hexagon socket-head spanner, Terminal screw
Screwdriver size		2, Terminal screw, Pozidriv screwdriver
Tightening torque		1.2 Nm, Screw terminals 6 Nm, Screw terminals
Rated breaking capacity at 380/400 V		640 A
Rated insulation voltage (Ui)		690 V
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V		110 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V		80 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V		80 A
Rated operational power at AC-3, 380/400 V, 50 Hz		37 kW
Rated operational power at AC-3, 690 V, 50 Hz		37 kW
Rated operational voltage (Ue) at AC - max		690 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	110
Rated operation current Ie at AC-3, 400 V	A	80
Rated operation power at AC-3, 400 V	kW	37
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