

Power contactor, 3 pole, 380 V 400 V: 18.5 kW, 24 V 50/60 Hz, AC operation,  
Screw terminals



Powering Business Worldwide™

**Part no.** DILMT40(24V50/60HZ)

197619

**EL Number**

4100428

(Norway)

Product name	Eaton Moeller® series DILMT Contactor
Part no.	DILMT40(24V50/60HZ)
EAN	4015081944989
Product Length/Depth	108.1 millimetre
Product height	103.6 millimetre
Product width	55 millimetre
Product weight	0.776 kilogram
Certifications	IEC/EN 60947 GB14048 EN 60335-1
Product Tradename	DILMT
Product Type	Contactor
Product Sub Type	None
Globally Marketable	No
Countries	Austria China Spain Czech Republic Denmark Turkey Hungary Sweden Saudi Arabia United Arab Emirates Morocco Portugal Latvia Slovakia France Norway United Kingdom of Great Britain and Northern Ireland Romania Netherlands Poland Israel Germany Switzerland Finland Belgium Italy
	Not suitable for motors with efficiency class IE3.
Number Of Poles	Three-pole
Application	Contactors for Motors
Connection	Screw terminals
Connection to SmartWire-DT	No
Degree of protection	IP20
Frame size	FS3
Lifespan, electrical	900,000 Operations (at 400V, AC-3)
Lifespan, mechanical	5,000,000 Operations (AC operated)
Operating frequency	3600 mechanical Operations/h (AC 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 AC-3: Normal AC induction motors: starting, switch off during running
Voltage type		AC
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)		1 x (2.5 - 25) mm <sup>2</sup> , Main cables 2 x (2.5 - 16) mm <sup>2</sup> , Main cables 2 x (0.75 - 2.5) mm <sup>2</sup> 1 x (0.75 - 2.5) mm <sup>2</sup>
Terminal capacity (stranded)		1 x (2.5 - 25) mm <sup>2</sup> 2 x (2.5 - 16) mm <sup>2</sup>
Stripping length (main cable)		14 mm
Stripping length (control circuit cable)		14 mm
Screw size		M3.5, Terminal screw M6, Terminal screw
Screwdriver size		2, Terminal screw, Pozidriv screwdriver 2, Terminal screw, Control circuit cables, Pozidriv screwdriver
Tightening torque		1.2 Nm, Screw terminals 2.5 Nm
Rated breaking capacity at 380/400 V		320 A
Rated insulation voltage (Ui)		690 V
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V		60 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V		40 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V		40 A
Rated operational power at AC-3, 380/400 V, 50 Hz		18.5 kW
Rated operational power at AC-3, 690 V, 50 Hz		22 kW
Rated operational voltage (Ue) at AC - max		690 V
Pick-up voltage		0.85 - 1.1 V AC x Uc
Power consumption, pick-up, 50 Hz		0 VA, Dual-frequency coil in a cold state and 1.0 x Us 220 VA, Dual-frequency coil in a cold state and 1.0 x Us
Power consumption, pick-up, 60 Hz		0 VA, Dual-frequency coil in a cold state and 1.0 x Us 220 VA, Dual-frequency coil in a cold state and 1.0 x Us
Power consumption, sealing, 50 Hz		5 W, Dual-frequency coil in a cold state and 1.0 x Us 0 W, Dual-frequency coil in a cold state and 1.0 x Us 6 W, Coil in a cold state and 1.0 x Us
Power consumption, sealing, 60 Hz		0 W, Dual-frequency coil in a cold state and 1.0 x Us 5 W, Dual-frequency coil in a cold state and 1.0 x Us 20 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 0 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Rated control supply voltage (Us) at AC, 50 Hz - min		24 V
Rated control supply voltage (Us) at AC, 50 Hz - max		24 V
Rated control supply voltage (Us) at AC, 60 Hz - min		24 V
Rated control supply voltage (Us) at AC, 60 Hz - max		24 V
Rated control supply voltage (Us) at DC - min		0 V
Rated control supply voltage (Us) at DC - max		0 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	24 - 24
Rated control supply voltage Us at AC 60HZ	V	24 - 24

Rated control supply voltage $U_s$ at DC	V	0 - 0
Voltage type for actuating		AC
Rated operation current $I_e$ at AC-1, 400 V	A	60
Rated operation current $I_e$ at AC-3, 400 V	A	40
Rated operation power at AC-3, 400 V	kW	18.5
Rated operation current $I_e$ 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