

**Power contactor, 3 pole, 380 V 400 V: 5.5 kW, 24 V 50/60 Hz, AC operation,  
Screw terminals**



**Part no.** DILMT12(24V50/60HZ)  
**197615**  
**EL Number** 4100421  
**(Norway)**

Product name	Eaton Moeller® series DILMT Contactor
Part no.	DILMT12(24V50/60HZ)
EAN	4015081944941
Product Length/Depth	77.5 millimetre
Product height	70.1 millimetre
Product width	27 millimetre
Product weight	0.175 kilogram
Certifications	GB14048 EN 60335-1 IEC/EN 60947
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
Number Of Poles	Three-pole
Application	Contactors for Motors
Connection	Screw terminals
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 (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
Suitable for	Also motors with efficiency class IE3
Used with	DILT-XHI...
Utilization category	AC-4: Normal AC induction motors: starting, plugging, reversing, inching

			AC-3: Normal AC induction motors: starting, switch off during running AC-1: Non-inductive or slightly inductive loads, resistance furnaces
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 (0.75 - 2.5) mm <sup>2</sup> 2 x (0.75 - 2.5) mm <sup>2</sup>
Terminal capacity (stranded)			1 x (0.75 - 2.5) mm <sup>2</sup> 2 x (0.75 - 2.5) mm <sup>2</sup>
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
Pick-up voltage			0.85 - 1.1 V AC x Uc
Power consumption, pick-up, 50 Hz			35 VA, Dual-frequency coil in a cold state and 1.0 x Us 0 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 35 VA, Dual-frequency coil in a cold state and 1.0 x Us
Power consumption, sealing, 50 Hz			2.1 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 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
Power consumption, sealing, 60 Hz			0 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 2.1 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 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 Us at DC	V	0 - 0	
Voltage type for actuating		AC	
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 I <sub>e</sub> 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