DATASHEET - DILMT80(230V50HZ/240V60HZ)

Contactor, 3 pole, 380 V 400 V: 37 kW, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals

Powering Business Worldwide™

Part no.	**DILMT80(230V50HZ/240V60HZ)**
	190965
EL Number (Norway)	**4100445**

Product name	Eaton Moeller® series DILMT Contactor
Part no.	DILMT80(230V50HZ/240V60HZ)
EAN	4015081911882
Product Length/Depth	124.5 millimetre
Product height	111.5 millimetre
Product width	72 millimetre
Product weight	1.26 kilogram
Certifications	GB14048 IEC/EN 60947 EN 60335-1
Product Tradename	DILMT
Product Type	Contactor
Product Sub Type	None
Countries	Finland Spain Portugal Denmark United Kingdom of Great Britain and Northern Ireland Latvia Poland Slovakia Turkey Saudi Arabia Belgium China France Morocco Czech Republic Italy Norway Romania Austria Switzerland Sweden United Arab Emirates Germany Hungary Netherlands Israel
Catalog Notes	Not suitable for motors with efficiency class IE3.
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 (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
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)	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
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 350 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 350 VA, Dual-frequency coil in a cold state and 1.0 x Us
Power consumption, sealing, 50 Hz	22 W, Dual-frequency coil in a cold state and 1.0 x Us 9 VA, Coil in a cold state and 1.0 x Us 0 W, Dual-frequency coil in a cold state and 1.0 x Us
Power consumption, sealing, 60 Hz	0 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 8 W, Dual-frequency coil in a cold state and 1.0 x Us 26 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 0 W, Dual-frequency coil in a cold state and 1.0 x Us
Rated control supply voltage (Us) at AC, 50 Hz - min	230 V
Rated control supply voltage (Us) at AC, 50 Hz - max	230 V
Rated control supply voltage (Us) at AC, 60 Hz - min	240 V
Rated control supply voltage (Us) at AC, 60 Hz - max	240 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	230 - 230
Rated control supply voltage Us at AC 60HZ	V	240 - 240
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	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