



## Eaton 190998

Eaton Moeller® series DILMT Contactor, 3 pole, 380 V 400 V: 11 kW, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals

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<b>PRODUCT NAME</b>	Eaton Moeller® series DILMT Contactor
<b>CATALOG NUMBER</b>	190998
<b>PRODUCT LENGTH/DEPTH</b>	97.5 mm
<b>PRODUCT HEIGHT</b>	82 mm
<b>PRODUCT WIDTH</b>	36 mm
<b>PRODUCT WEIGHT</b>	0.36 kg
<b>CERTIFICATIONS</b>	EN 60335-1 GB14048 IEC/EN 60947
<b>CATALOG NOTES</b>	Also tested according to AC-3e. Also suitable for motors with efficiency class IE3.



Powering Business Worldwide

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<b>USED WITH</b>	DILT-XHI01(10)
<b>NUMBER OF POLES</b>	Three-pole
<b>OPERATING FREQUENCY</b>	3600 mechanical Operations/h (AC operated)
<b>POLLUTION DEGREE</b>	3
<b>UTILIZATION CATEGORY</b>	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
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
<b>CONNECTION TO SMARTWIRE-DT</b>	No
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>FRAME SIZE</b>	FS2
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	80 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	-40 °C
<b>APPLICATION</b>	Contactors for Motors
<b>PRODUCT CATEGORY</b>	Contactors
<b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>	Screw connection
<b>SCREWDRIVER SIZE</b>	2, Terminal screw, Pozidriv screwdriver 2, Terminal screw, Control circuit cables, Pozidriv screwdriver
<b>VOLTAGE TYPE</b>	AC
<b>DEGREE OF PROTECTION</b>	IP20
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	0
<b>NUMBER OF AUXILIARY</b>	0

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<b>ECAD MODEL</b>	<a href="#">DA-CE-ETN.DILMT25(230V50HZ_240V60HZ)</a>
□□□	<a href="#">eaton-contactors-contact-dilm-wiring-diagram-003.eps</a>
□□□□	<a href="#">eaton-powerxl-variable-frequency-drives-hvac-brochure-br040012en-en-us.pdf</a> <a href="#">eaton-dilat-dilmt-contactors-zbt-motor-protection-relay-brochure-br034003en-en-us.pdf</a>
□□	<a href="#">eaton-contactors-dimensions-003.eps</a> <a href="#">eaton-contactors-dimensions-002.eps</a> <a href="#">eaton-contactors-3d-drawing-003.eps</a> <a href="#">eaton-general-mounting-contactor-3d-drawing.eps</a>

<b>CONTACTS (NORMALLY OPEN CONTACTS)</b>	
<b>NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT</b>	0
<b>NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)</b>	3
<b>RATED BREAKING CAPACITY AT 380/400 V</b>	200 A
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	230 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>	230 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>	240 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>	240 V
<b>OVERVOLTAGE CATEGORY</b>	III
<b>LIFESPAN, MECHANICAL</b>	10,000,000 Operations (AC operated)
<b>PICK-UP VOLTAGE</b>	0.85 - 1.1 V AC x U <sub>c</sub>
<b>POWER CONSUMPTION, PICK-UP, 50 HZ</b>	0 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> 85 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub>
<b>POWER CONSUMPTION, PICK-UP, 60 HZ</b>	0 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> 85 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub>
<b>SCREW SIZE</b>	M5, Terminal screw M3.5, Terminal screw
<b>POWER CONSUMPTION, SEALING, 50 HZ</b>	8 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> 2.6 VA, Coil in a cold state and 1.0 x U <sub>s</sub> 0 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub>
<b>POWER CONSUMPTION, SEALING, 60 HZ</b>	8.1 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz 0 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz 0 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> 2.5 W, Dual-frequency coil

	in a cold state and 1.0 x Us
<b>TERMINAL CAPACITY (STRANDED)</b>	1 x (1 - 4) mm <sup>2</sup> 2 x (1 - 4) mm <sup>2</sup>
<b>LIFESPAN, ELECTRICAL</b>	1,000,000 Operations (at 400V, AC-3)
<b>TERMINAL CAPACITY (SOLID)</b>	2 x (0.75 - 2.5) mm <sup>2</sup> 1 x (0.75 - 2.5) mm <sup>2</sup> 1 x (1 - 10) mm <sup>2</sup> , Main cables
<b>TIGHTENING TORQUE</b>	0.8 Nm, Screw terminals 2 Nm, Threaded ring
<b>RATED INSULATION VOLTAGE (UI)</b>	690 V
<b>RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V</b>	35 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b>	25 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>	25 A
<b>RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ</b>	7.5 kW
<b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>	11 kW
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	660 V
<b>STRIPPING LENGTH (MAIN CABLE)</b>	14 mm
<b>CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)</b>	35 A
<b>ACTUATING VOLTAGE</b>	230 V 50 Hz, 240 V 60 Hz
<b>OPERATING VOLTAGE AT AC, 50 HZ - MIN</b>	24 V
<b>OPERATING VOLTAGE AT AC, 50 HZ - MAX</b>	690 V
<b>OPERATING VOLTAGE AT AC, 60 HZ - MIN</b>	24 V
<b>OPERATING VOLTAGE AT AC, 60 HZ - MAX</b>	690 V

