



Eaton 190999

Eaton Moeller® series DILMT Contactor, 3 pole, 380 V 400 V: 15 kW, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals

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PRODUCT NAME	Eaton Moeller® series DILMT Contactor
CATALOG NUMBER	190999
PRODUCT LENGTH/DEPTH	97.5 mm
PRODUCT HEIGHT	82 mm
PRODUCT WIDTH	36 mm
PRODUCT WEIGHT	0.36 kg
CERTIFICATIONS	EN 60335-1 GB14048 IEC/EN 60947
CATALOG NOTES	Also tested according to AC-3e. Also suitable for motors with efficiency class IE3.



Powering Business Worldwide

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

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ECAD MODEL	DA-CE-ETN.DILMT32(230V50HZ_240V60HZ)
□□□	eaton-contactors-contact-dilm-wiring-diagram-003.eps
□□□□	eaton-powerxl-variable-frequency-drives-hvac-brochure-br040012en-en-us.pdf eaton-dilat-dilmt-contactors-zbt-motor-protection-relay-brochure-br034003en-en-us.pdf
□□	eaton-contactors-dimensions-002.eps eaton-contactors-dimensions-003.eps eaton-contactors-3d-drawing-003.eps eaton-general-mounting-contactor-3d-drawing.eps

CONTACTS (NORMALLY OPEN CONTACTS)	
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
RATED BREAKING CAPACITY AT 380/400 V	256 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	230 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	230 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	240 V
OVERVOLTAGE CATEGORY	III
LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated)
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 85 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 85 VA, Dual-frequency coil in a cold state and 1.0 x Us
SCREW SIZE	M5, Terminal screw M3.5, Terminal screw
POWER CONSUMPTION, SEALING, 50 HZ	8 W, Dual-frequency coil in a cold state and 1.0 x Us 2.6 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	8.1 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 0 W, Dual-frequency coil in a cold state and 1.0 x Us 2.5 W, Dual-frequency coil

	in a cold state and 1.0 x Us
TERMINAL CAPACITY (STRANDED)	1 x (1 - 10) mm ² 2 x (1 - 10) mm ²
LIFESPAN, ELECTRICAL	1,000,000 Operations (at 400V, AC-3)
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm ² 1 x (0.75 - 2.5) mm ² 1 x (1 - 10) mm ² , Main cables
TIGHTENING TORQUE	0.8 Nm, Screw terminals 2 Nm, Threaded ring
RATED INSULATION VOLTAGE (UI)	690 V
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	32 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	32 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	10 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	15 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	660 V
STRIPPING LENGTH (MAIN CABLE)	14 mm
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	40 A
ACTUATING VOLTAGE	230 V 50 Hz, 240 V 60 Hz
OPERATING VOLTAGE AT AC, 50 HZ - MIN	24 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	690 V
OPERATING VOLTAGE AT AC, 60 HZ - MIN	24 V
OPERATING VOLTAGE AT AC, 60 HZ - MAX	690 V

