Eaton 197617

Eaton Moeller® series DILMT Power contactor, 3 pole, 380 V 400 V: 11 kW, 24 V 50/60 Hz, AC operation, Screw terminals

PRODUCT NAME	Eaton Moeller® series DILMT Contactor
CATALOG NUMBER	197617
PRODUCT LENGTH/DEPTH	97.5 mm
PRODUCT HEIGHT	82 mm
PRODUCT WIDTH	36 mm
PRODUCT WEIGHT	0.36 kg
CERTIFICATIONS	IEC/EN 60947 EN 60335-1 GB14048
CATALOG NOTES	Also tested according to AC-3e.

Powering Business Worldwide

□□□□	
USED WITH	DILT-XHI01(10)
NUMBER OF POLES	Three-pole
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND	Meets the product

□□	
ECAD MODEL	DA-CE-ETN.DILMT25(24V50_60HZ)
□□□	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

CREEPAGE DISTANCES	standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
OPERATING FREQUENCY	3600 mechanical Operations/h (AC operated)
POLLUTION DEGREE	3
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
UTILIZATION CATEGORY	AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces
CONNECTION	Screw terminals
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

HEAT DISSIPATION CAPACITY PDISS	0 W
SWITCHING TIME (DC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	66 ms
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 CONTACTS (NORMALLY OPEN CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
RATED BREAKING CAPACITY AT 380/400 V	200 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	24 V
OVERVOLTAGE CATEGORY	III
DUTY FACTOR	100 %
LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated)
PICK-UP VOLTAGE	0.85 - 1.1 V AC x Uc
POWER CONSUMPTION,	85 VA, Dual-frequency coil

PICK-UP, 50 HZ	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 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	2.6 VA, 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 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 8.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 2.5 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
TERMINAL CAPACITY (STRANDED)	1 x (1 - 4) mm² 2 x (1 - 4) mm²
LIFESPAN, ELECTRICAL	1,000,000 Operations (at 400V, AC-3)
TERMINAL CAPACITY (SOLID)	1 x (1 - 10) mm², Main cables 1 x (0.75 - 2.5) mm² 2 x (0.75 - 2.5) mm²
TIGHTENING TORQUE	0.8 Nm, Screw terminals 2 Nm, Threaded ring
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED INSULATION VOLTAGE (UI)	690 V
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	35 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	25 A
RATED OPERATIONAL	25 A

CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	0 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	7.5 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	11 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	0 kW
RATED OPERATIONAL POWER (NEMA)	0 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	660 V
STRIPPING LENGTH (MAIN CABLE)	14 mm
SUITABLE FOR	Also motors with efficiency class IE3
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	35 A
ACTUATING VOLTAGE	24 V 50/60 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

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
□□:

□□□□
Eaton House
30 Pembroke Road
Dublin 4, □□□
Eaton.com

© 2025 □□ □□□□□□□□

Follow us on social media to get the latest product and support information.