

## Eaton 277270

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 15 kW, 1 N/O, TVC100: 100 V 50 Hz/100-110 V 60 Hz, AC operation, Screw terminals

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PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	277270
PRODUCT LENGTH/DEPTH	97 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.428 kg
CERTIFICATIONS	CSA File No.: 012528 IEC/EN 60947-4-1 UL 508 CSA CE CSA Class No.: 2411-03, 3211-04 CSA-C22.2 No. 14-05 IEC/EN 60947 UL File No.: E29096 UL Category Control No.: NLDX UL VDE 0660
CATALOG NOTES	Contacts according to EN 50012



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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 CREEPAGE DISTANCES	Meets the product standard's requirements.

CHARACTERISTIC CURVE	eaton-contactors-switch- dilm-characteristic-curve- 002.eps
	eaton-contactors-switch- dilm-characteristic- curve.eps
00000	IL03407014Z2021_09.pdf
000	eaton-contactors-contact- dilm-wiring-diagram.eps
00	eaton-contactors- dimensions-210t014.eps

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	ls the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	ls the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	ls the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	ls the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
OPERATING FREQUENCY	5000 mechanical Operations/h (AC operated)
POLLUTION DEGREE	3
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
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
CONNECTION TO SMARTWIRE-DT	No
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	8000 V AC
CONNECTION	Screw terminals
FRAME SIZE	FS2
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING	25 °C

(ENCLOSED) - MIN	
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE	2 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	10 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	5 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	10 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	20 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	25 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	90 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	36 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	42 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	100 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	6.6 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	2.2 W
APPLICATION	Contactors for Motors
PRODUCT CATEGORY	Contactors
PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
ARCING TIME	10 ms

ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
SCREWDRIVER SIZE	2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
VOLTAGE TYPE	AC
DEGREE OF PROTECTION	IP00
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
RATED BREAKING CAPACITY AT 220/230 V	320 A
RATED BREAKING CAPACITY AT 380/400 V	320 A
RATED BREAKING CAPACITY AT 500 V	320 A
RATED BREAKING CAPACITY AT 660/690 V	180 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	100 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	100 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	110 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	100 V
DROP-OUT VOLTAGE	AC operated: 0.6 - 0.3 x UC, AC operated
OVERVOLTAGE CATEGORY	III
DUTY FACTOR	100 %
EMITTED INTERFERENCE	According to EN 60947-1

INTERFERENCE IMMUNITY  LIFESPAN, MECHANICAL  PICK-UP VOLTAGE  POWER CONSUMPTION, PICK-UP, 50 HZ  SAFE ISOLATION  SAFE ISOLATION  POWER CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  CONSUMPTION, SEALING, 50 HZ  CONSUMPTION, SEALING, 60 HZ  CONSUMPTION, SEALING, CONSUMPTION, SEALING, CONSUMPTION, SEALING, CONSUMPTION, SEALING, CONSUMPTION, SEALING, CONSUMPTION, SEALING, CON		
PICK-UP VOLTAGE  POWER CONSUMPTION, PICK-UP, 50 HZ  SAFE ISOLATION  SAFE ISOLATION  POWER CONSUMPTION, PICK-UP, 50 HZ  SAFE ISOLATION  SAFE ISOLATION  SAFE ISOLATION  SAFE ISOLATION  POWER CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  POWER CONSUMPTION, SEALING, 50 HZ  POWER CONSUMPTION, SEALING, 60 HZ  POWER CONSUMPTION, SEALING, 60 HZ  POWER CONSUMPTION, SEALING, 60 HZ  TERMINAL CAPACITY (STRANDED)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (CONTACTS, PILOT DUTY)  TO A COD TENEUR DUTY  TO A COD TENEUR DUTY	_	According to EN 60947-1
POWER CONSUMPTION, PICK-UP, 50 HZ  SAFE ISOLATION  SAFE ISOLATION  POWER CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  POWER CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  POWER CONSUMPTION, SEALING, 50 HZ  POWER CONSUMPTION, SEALING, 50 HZ  POWER CONSUMPTION, SEALING, 60 HZ  TERMINAL CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TO A 600 V AC, (UL/CSA)  1 × 16 mm², Main cables  1 × (0.75 - 2.5) mm², CONTACTS, PILOT DUTY, PILO	LIFESPAN, MECHANICAL	·
POWER CONSUMPTION, PICK-UP, 50 HZ  SAFE ISOLATION  Adv V AC, Between coil and contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140  POWER CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  M3.5, Terminal screw, Control circuit cables M5, Terminal screw, Main cables  2.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  7.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  7.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  POWER CONSUMPTION, SEALING, 60 HZ  2.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz  8.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz  SWITCHING CAPACITY (STRANDED)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)  A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)	PICK-UP VOLTAGE	0.8 - 1.1 V AC x Uc
SAFE ISOLATION  and contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140  POWER CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  POWER CONSUMPTION, SEALING, 50 HZ  POWER CONSUMPTION, SEALING, 60 HZ  POWER CONSUMPTION, SEALING, 60 HZ  TERMINAL CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)  SHOCK RESISTANCE  and contacts, According to EN 61140 440 V AC, Between the contacts, Macontacts, Macontacts, Macontacts, Macontacts, Macontacts, Macontacts, Macontacts, Macontacts, Macontacts, Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 10) mm², Main cables  SHOCK RESISTANCE  SHOCK RESISTANCE		in a cold state and 1.0 x
POWER CONSUMPTION, PICK-UP, 60 HZ  SCREW SIZE  M3.5, Terminal screw, Control circuit cables M5, Terminal screw, Main cables  2.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  7.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  POWER CONSUMPTION, SEALING, 50 HZ  POWER CONSUMPTION, SEALING, 60 HZ  POWER CONSUMPTION, SEALING, 60 HZ  1.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz  8.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz  SWITCHING CAPACITY (STRANDED)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)  1 x (0.75 - 16) mm², Main cables  1 x (0.75 - 2.5) mm², Control circuit cables  2 x (0.75 - 2.5) mm², Control circuit cables  2 x (0.75 - 10) mm², Main cables  6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when	SAFE ISOLATION	and contacts, According to EN 61140 440 V AC, Between the contacts, According to EN
SCREW SIZE  Control circuit cables M5, Terminal screw, Main cables  2.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  7.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  POWER CONSUMPTION, Us, at 50 Hz  2.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  2.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz  8.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz  TERMINAL CAPACITY (STRANDED)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (FLEXIBLE WITH CAPACITY (FLEXIBLE WITH FERRULE)  1 x (0.75 - 16) mm², Main cables 1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 10) mm², Main cables  6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when		in a cold state and 1.0 x
POWER CONSUMPTION, SEALING, 50 HZ  TO NOTE THE MINAL CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)  In a cold state and 1.0 x  Us, at 50 Hz  2.1 W, 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, at 60 Hz  1 x 16 mm², Main cables  1 x 16 mm², Main cables  10 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)  1 x (0.75 - 16) mm², Main cables  1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 10) mm², Main cables  1 x (0.75 - 10) mm², Main cables  1 x (0.75 - 10) mm², Main cables  2 x (0.75 - 10) mm², Main cables  3 x (0.75 - 10) mm², Main cables  4 x (0.75 - 10) mm², Main cables 2 x (0.75 - 10) mm², Main cables 3 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 10) mm², Main cables 3 x (0.75 - 10) mm², Main cables 4 x (0.75 - 10) mm², Main cables 5 x (0.75 - 10) mm², Main cables 5 x (0.75 - 10) mm², Main cables	SCREW SIZE	Control circuit cables M5, Terminal screw, Main
POWER CONSUMPTION, SEALING, 60 HZ  Us, at 60 Hz 8.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz  TERMINAL CAPACITY (STRANDED)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)  A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)  1 x (0.75 - 16) mm², Main cables 1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 10) mm², Main cables  6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when		in a cold state and 1.0 x Us, at 50 Hz 7.1 VA, Dual-frequency coil in a cold state and 1.0 x
(STRANDED)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)  SHOCK RESISTANCE  10 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (U		in a cold state and 1.0 x Us, at 60 Hz 8.7 VA, Dual-frequency coil in a cold state and 1.0 x
(AUXILIARY CONTACTS, GENERAL USE)  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)  SHOCK RESISTANCE  10 A, 600 V AC, (UL/CSA)  1 A, 250 V DC, (UL/CSA)  A600, AC operated (UL/CSA)  P300, DC operated (UL/CSA)  1 x (0.75 - 16) mm², Main cables  1 x (0.75 - 2.5) mm², Control circuit cables  2 x (0.75 - 2.5) mm², Control circuit cables  2 x (0.75 - 10) mm², Main cables  6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when		1 x 16 mm², Main cables
(UL/CSA) P300, DC operated (UL/CSA)  P300, DC operated (UL/CSA)  1 x (0.75 - 16) mm², Main cables 1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 10) mm², Main cables 6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when	(AUXILIARY CONTACTS,	
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE) $ \begin{array}{l} \text{Cables} \\ 1 \times (0.75 - 2.5)  \text{mm}^2, \\ \text{Control circuit cables} \\ 2 \times (0.75 - 2.5)  \text{mm}^2, \\ \text{Control circuit cables} \\ 2 \times (0.75 - 10)  \text{mm}^2,  \text{Main cables} \end{array} $ SHOCK RESISTANCE $ \begin{array}{l} \text{Cables} \\ \text{SHOCK RESISTANCE} \\ \text{Mechanical, according to} \\ \text{IEC/EN 60068-2-27 when} \end{array} $	(AUXILIARY CONTACTS,	(UL/CSA) P300, DC operated
SHOCK RESISTANCE Mechanical, according to IEC/EN 60068-2-27 when	(FLEXIBLE WITH	cables 1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 10) mm², Main
	SHOCK RESISTANCE	Mechanical, according to IEC/EN 60068-2-27 when

	sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 5.3 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop- mounted, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 3.5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop- mounted, Half-sinusoidal shock 10 ms  1 x (0.75 - 16) mm², Main cables 1 x (0.75 - 4) mm² Control
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 4) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 10) mm², Main cables
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14, Control circuit cables Single 18 - 6, double 18 - 8, Main cables
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	40 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	1.2 Nm, Screw terminals, Control circuit cables 3.2 Nm, Screw terminals, Main cables
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 MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)	384 A

RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	45 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 CURRENT (IE) AT AC-3, 440 V	32 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	32 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	18 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	12 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	40 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	40 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V	40 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	32 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	11 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	15 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50	19 kW

HZ	
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	4 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	4.5 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	7.5 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	8 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	9 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	10 kW
RATED OPERATIONAL POWER (NEMA)	14.9 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RESISTANCE PER POLE	2.7 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	2.1 W
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
STRIPPING LENGTH (MAIN CABLE)	10 mm
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	22 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	16 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	14 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN	8 ms

SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	125 A, max. Fuse, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	50/32 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) 10/65 kA, CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	125/125 A, Class J, max. Fuse, SCCR (UL/CSA) 10/22 kA, CB, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	125 A gG/gL
SUITABLE FOR	Also motors with efficiency class IE3
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	63 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	63 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	35 A gG/gL
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	40 A (600V 60Hz 3phase, 347V 60Hz 1phase) 40 A (480V 60Hz 3phase, 277V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	32 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 192 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	25.3 A, 200 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 240 V 60 Hz 3-ph, (UL/CSA) 27 A, 480 V 60 Hz 3-ph, (UL/CSA) 22 A, 600 V 60 Hz 3-ph,

(UL/CSA) 22 A, 240 V 60 Hz 3-ph, (UL/CSA) 20 HP, 480 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 200 V 60 Hz 3-ph, (UL/CSA) 20 HP, 600 V 60 Hz 3-ph, (UL/CSA)
180 A, LRA 600 V 60 Hz 3phase; (CSA) 30 A, FLA 600 V 60 Hz 3phase; (CSA) 240 A, LRA 480 V 60 Hz 3phase; (CSA) 40 A, FLA 480 V 60 Hz 3phase; (CSA)
40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
45 A
43 A
40 A
20 kW
23 kW
17 kW
TVC100: 100 V 50 Hz/100- 110 V 60 Hz
Max. 2000 m
24 V
690 V

OPERATING VOLTAGE AT AC, 60 HZ - MIN

OPERATING VOLTAGE AT AC, 60 HZ - MAX

690 V

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







