## Eaton 277904

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 30 kW, TVC100: 100 V 50 Hz/100-110 V 60 Hz, AC operation, Screw terminals

PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	277904
PRODUCT LENGTH/DEPTH	132.1 mm
PRODUCT HEIGHT	115 mm
PRODUCT WIDTH	55 mm
PRODUCT WEIGHT	0.872 kg
CERTIFICATIONS	IEC/EN 60947-4-1 CSA File No.: 012528 CE UL File No.: E29096 UL Category Control No.: NLDX UL CSA Class No.: 2411-03, 3211-04 IEC/EN 60947 VDE 0660 UL 508 CSA-C22.2 No. 14-05 CSA
CATALOG NOTES	Contacts according to EN 50012



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	Does not apply, since the entire switchgear needs to

	eaton-contactors-switch- dilm-characteristic-curve- 002.eps
CHARACTERISTIC CURVE	<u>eaton-contactors-switch-</u> <u>dilm-characteristic-</u> <u>curve.eps</u>
	<u>IL03407033Z</u>
	eaton-contactors-contact- dilm-wiring-diagram- 003.eps
	eaton-contactors-dilm- dimensions-002.eps

ASSEMBLIES	be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product 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	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	Is the panel builder's responsibility.
OPERATING FREQUENCY	5000 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)	8000 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	FS3
AMBIENT OPERATING TEMPERATURE - MAX	60 °C

TEMPERATURE - MIN	
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	25 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE	5 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	20 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	15 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	25 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	50 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	60 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	180 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	72 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	83 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	200 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	17.1 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	5.7 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	0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver
VOLTAGE TYPE	AC
DEGREE OF PROTECTION	IP00
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 220/230 V	650 A
RATED BREAKING CAPACITY AT 380/400 V	650 A
RATED BREAKING CAPACITY AT 500 V	650 A
RATED BREAKING CAPACITY AT 660/690 V	370 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	100 V

HZ - MIN	
DROP-OUT VOLTAGE	AC operated: 0.6 - 0.3 x UC, AC operated
OVERVOLTAGE CATEGORY	Ш
DUTY FACTOR	100 %
EMITTED INTERFERENCE	According to EN 60947-1
INTERFERENCE IMMUNITY	According to EN 60947-1
LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated)
PICK-UP VOLTAGE	0.8 - 1.1 V AC x Uc
POWER CONSUMPTION, PICK-UP, 50 HZ	149 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SAFE ISOLATION	440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 HZ	178 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
	M6, Terminal screw, Main cables
SCREW SIZE	M3.5, Terminal screw, Control circuit cables
SCREW SIZE POWER CONSUMPTION, SEALING, 50 HZ	M3.5, Terminal screw,
POWER CONSUMPTION,	M3.5, Terminal screw, Control circuit cables 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 16 VA, Dual-frequency coil in a cold state and 1.0 x
POWER CONSUMPTION, SEALING, 50 HZ	M3.5, Terminal screw, Control circuit cables 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 16 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 19 VA, Dual-frequency coil in a cold state and 1.0 x
POWER CONSUMPTION, SEALING, 50 HZ POWER CONSUMPTION, SEALING, 60 HZ	M3.5, Terminal screw, Control circuit cables 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 16 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 19 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 2 x (16 - 35) mm <sup>2</sup> , Main cables 1 x (16 - 50) mm <sup>2</sup> , Main
POWER CONSUMPTION, SEALING, 50 HZ POWER CONSUMPTION, SEALING, 60 HZ TERMINAL CAPACITY (STRANDED) TERMINAL CAPACITY	M3.5, Terminal screw, Control circuit cables 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 16 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 19 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 2 x (16 - 35) mm <sup>2</sup> , Main cables 1 x (16 - 50) mm <sup>2</sup> , Main cables 2 x (6 x 9 x 0.8) mm (Number of segments x width x thickness), Main

FERRULE)	1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables 2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables 2 x (0.75 - 25) mm <sup>2</sup> , Main cables
SHOCK RESISTANCE	10 g, N/O main 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 5 g, N/C auxiliary 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 when tabletop-mounted, Half- sinusoidal shock 10 ms 7 g, N/O auxiliary 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 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half- sinusoidal shock 10 ms
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 16) mm <sup>2</sup> , Main cables 2 x (0.75 - 16) mm <sup>2</sup> , Main cables 1 x (0.75 - 4) mm <sup>2</sup> , Control circuit cables 2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables
TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 14 - 1, double 14 - 2, Main cables 18 - 14, Control circuit cables
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	88 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	3.3 Nm, Screw terminals, Main cables 1.2 Nm, Screw terminals, Control circuit cables
RATED CONTROL SUPPLY VOLTAGE (US) AT DC -	0 V

МАХ	
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)	910 A
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	98 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	37 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	20 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	72 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	65 A
RATED OPERATIONAL	72 A

CURRENT (IE) AT DC-1, 60VRATED OPERATIONALCURRENT FOR SPECIFIED65 AHEAT DISSIPATION (IN)RATED OPERATIONALPOWER AT AC-3, 240 V, 5022 kWHZRATED OPERATIONALPOWER AT AC-3, 380/40030 kWV, 50 HZRATED OPERATIONALPOWER AT AC-3, 415 V, 5039 kWHZRATED OPERATIONALPOWER AT AC-4, 220/2307 kWV, 50 HZRATED OPERATIONALPOWER AT AC-4, 240 V, 507.5 kWHZRATED OPERATIONALPOWER AT AC-4, 240 V, 507.5 kWHZRATED OPERATIONALPOWER AT AC-4, 415 V, 5013 kWHZRATED OPERATIONALPOWER AT AC-4, 40 V, 5014 kWHZRATED OPERATIONALPOWER AT AC-4, 500 V, 5016 kWHZRATED OPERATIONALPOWER AT AC-4, 660/69017 kWV, 50 HZRATED OPERATIONALPOWER (NEMA)37 kWRATED OPERATIONALPOWER (NEMA)37 kW		
CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)65 ARATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ22 kWRATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ30 kWRATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ39 kWRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ7 kWRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ7.5 kWRATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ7.5 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ12 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ13 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ14 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ17 kWV, 50 HZ37 kW		
POWER AT AC-3, 240 V, 5022 kWHZRATED OPERATIONAL30 kWPOWER AT AC-3, 380/40030 kWV, 50 HZ39 kWRATED OPERATIONAL39 kWPOWER AT AC-3, 415 V, 5039 kWHZRATED OPERATIONALPOWER AT AC-4, 220/2307 kWV, 50 HZ7.5 kWRATED OPERATIONAL7.5 kWPOWER AT AC-4, 240 V, 507.5 kWHZRATED OPERATIONALPOWER AT AC-4, 380/40012 kWV, 50 HZ13 kWRATED OPERATIONAL13 kWPOWER AT AC-4, 415 V, 5013 kWHZ13 kWRATED OPERATIONAL14 kWPOWER AT AC-4, 500 V, 5016 kWHZRATED OPERATIONALPOWER AT AC-4, 660/69017 kWV, 50 HZ37 kWRATED OPERATIONAL37 kWPOWER (NEMA)37 kWRATED OPERATIONAL0 V	CURRENT FOR SPECIFIED	65 A
POWER AT AC-3, 380/40030 kWV, 50 HZRATED OPERATIONALPOWER AT AC-3, 415 V, 5039 kWHZRATED OPERATIONALPOWER AT AC-4, 220/2307 kWV, 50 HZ7.5 kWRATED OPERATIONAL7.5 kWPOWER AT AC-4, 240 V, 507.5 kWHZRATED OPERATIONALPOWER AT AC-4, 380/40012 kWV, 50 HZ12 kWRATED OPERATIONAL13 kWPOWER AT AC-4, 415 V, 5013 kWHZ14 kWRATED OPERATIONAL14 kWPOWER AT AC-4, 500 V, 5016 kWHZ17 kWRATED OPERATIONAL17 kWPOWER AT AC-4, 660/69017 kWV, 50 HZ37 kW	POWER AT AC-3, 240 V, 50	22 kW
POWER AT AC-3, 415 V, 50 HZ39 kW HZRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ7 kW V, 50 HZRATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ7.5 kW HZRATED OPERATIONAL POWER AT AC-4, 280/400 V, 50 HZ12 kW V, 50 HZRATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ13 kW HZRATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ14 kW HZRATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ14 kW HZRATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ17 kW 37 kWRATED OPERATIONAL POWER (NEMA)37 kW	POWER AT AC-3, 380/400	30 kW
POWER AT AC-4, 220/230 7 kW V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 240 V, 50 7.5 kW HZ RATED OPERATIONAL POWER AT AC-4, 380/400 12 kW V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 415 V, 50 13 kW HZ RATED OPERATIONAL POWER AT AC-4, 440 V, 50 14 kW HZ RATED OPERATIONAL POWER AT AC-4, 500 V, 50 16 kW HZ RATED OPERATIONAL POWER AT AC-4, 660/690 17 kW V, 50 HZ RATED OPERATIONAL POWER (NEMA) 37 kW	POWER AT AC-3, 415 V, 50	39 kW
POWER AT AC-4, 240 V, 50 HZ7.5 kWRATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ12 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ13 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ14 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ37 kWRATED OPERATIONAL POWER (NEMA)37 kW	POWER AT AC-4, 220/230	7 kW
POWER AT AC-4, 380/400 12 kW V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 415 V, 50 13 kW HZ RATED OPERATIONAL POWER AT AC-4, 440 V, 50 14 kW HZ RATED OPERATIONAL POWER AT AC-4, 500 V, 50 16 kW HZ RATED OPERATIONAL POWER AT AC-4, 660/690 17 kW V, 50 HZ RATED OPERATIONAL POWER (NEMA) 37 kW	POWER AT AC-4, 240 V, 50	7.5 kW
POWER AT AC-4, 415 V, 50 13 kW HZ RATED OPERATIONAL POWER AT AC-4, 440 V, 50 14 kW HZ RATED OPERATIONAL POWER AT AC-4, 500 V, 50 16 kW HZ RATED OPERATIONAL POWER AT AC-4, 660/690 17 kW V, 50 HZ RATED OPERATIONAL POWER (NEMA) 37 kW POWER (NEMA) 37 kW	POWER AT AC-4, 380/400	12 kW
POWER AT AC-4, 440 V, 50 14 kW HZ RATED OPERATIONAL POWER AT AC-4, 500 V, 50 16 kW HZ RATED OPERATIONAL POWER AT AC-4, 660/690 17 kW V, 50 HZ RATED OPERATIONAL POWER (NEMA) 37 kW RATED OPERATIONAL VOLTAGE (UE) AT AC - 690 V	POWER AT AC-4, 415 V, 50	13 kW
POWER AT AC-4, 500 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ17 kWRATED OPERATIONAL POWER (NEMA)37 kWRATED OPERATIONAL VOLTAGE (UE) AT AC -690 V	POWER AT AC-4, 440 V, 50	14 kW
POWER AT AC-4, 660/69017 kWV, 50 HZ17 kWRATED OPERATIONAL POWER (NEMA)37 kWRATED OPERATIONAL VOLTAGE (UE) AT AC -690 V	POWER AT AC-4, 500 V, 50	16 kW
POWER (NEMA)37 kWRATED OPERATIONAL690 V	POWER AT AC-4, 660/690	17 kW
<b>VOLTAGE (UE) AT AC -</b> 690 V		37 kW
		690 V
<b>RESISTANCE PER POLE</b> 1.9 mΩ	RESISTANCE PER POLE	1.9 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	DISSIPATION, NON- CURRENT-DEPENDENT	4.1 W
STRIPPING LENGTH (CONTROL CIRCUIT10 mmCABLE)	(CONTROL CIRCUIT	10 mm
	STRIPPING LENGTH (MAIN CABLE)	14 mm

SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	18 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	12 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	13 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN	8 ms
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	250 A, max. CB, SCCR (UL/CSA) 250 A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	65 kA, CB, SCCR (UL/CSA) 100 A, max. CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 250/150 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	30 kA, CB, SCCR (UL/CSA) 250/150 A, Class J, max. Fuse, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	250 A gG/gL
SUITABLE FOR	Also motors with efficiency class IE3
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	100 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	125 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION)	80 A gG/gL

AT 690 V	
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	88 A (480V 60Hz 3phase, 277V 60Hz 1phase) 88 A (600V 60Hz 3phase, 347V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	390 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 65 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	42 A, 240 V 60 Hz 3-ph, (UL/CSA) 40 A, 480 V 60 Hz 3-ph, (UL/CSA) 32.2 A, 200 V 60 Hz 3-ph, (UL/CSA) 40 HP, 600 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph, (UL/CSA) 41 A, 600 V 60 Hz 3-ph, (UL/CSA) 10 HP, 200 V 60 Hz 3-ph, (UL/CSA) 30 HP, 480 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	88 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	88 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	98 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	88 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	80 A
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	41 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50	47 kW

HZ	
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	35 kW
ACTUATING VOLTAGE	TVC100: 100 V 50 Hz/100- 110 V 60 Hz
ALTITUDE	Max. 2000 m
OPERATING VOLTAGE AT AC, 50 HZ - MIN	230 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	690 V
OPERATING VOLTAGE AT AC, 60 HZ - MIN	230 V
OPERATING VOLTAGE AT AC, 60 HZ - MAX	690 V

## **PROJECT NAME:**

**PROJECT NUMBER:** 

PREPARED BY:

:



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