Eaton 104811

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 11 kW, RDC 12: 12 V DC, DC operation, Screw terminals

PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	104811
PRODUCT LENGTH/DEPTH	97 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.534 kg
CERTIFICATIONS	UL Category Control No.: NLDX IEC/EN 60947-4-1 VDE 0660 CSA File No.: 012528 CSA UL 508 CE CSA-C22.2 No. 14-05 IEC/EN 60947 UL File No.: E29096 UL CSA Class No.: 2411-03, 3211-04
CATALOG NOTES	Also tested according to AC-3e.



ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Screw connection
NUMBER OF POLES	Three-pole
VOLTAGE RATING	12 Vdc
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	Does not apply, since the

CHARACTERISTIC CURVE	eaton-contactors-switch- dilm-characteristic-curve- 002.eps
CHARACTERISTIC CORVE	eaton-contactors-switch- dilm-characteristic- curve.eps
DECLARATIONS OF CONFORMITY	eaton-contactor- declaration-of-conformity- uk251219en.pdf
	<u>IL03407014Z2021_09.pdf</u>
	eaton-contactors- dimensions-210t014.eps

IMPACT	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.
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.
FITTED WITH:	Suppressor circuit in actuating electronics Mirror contact
OPERATING FREQUENCY	5000 mechanical Operations/h (DC operated)
POLLUTION DEGREE	3
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
UTILIZATION CATEGORY	AC-3: Normal AC induction motors: starting, switch off during running AC-1: Non-inductive or slightly inductive loads, resistance furnaces

	AC-4: Normal AC induction motors: starting, plugging, reversing, inching
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 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	2 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	7.5 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	15 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	20 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-	100 A

POLE, OPEN)	
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	4.2 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	1.4 W
SWITCHING TIME (DC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	47 ms
SWITCHING TIME (DC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	30 ms
APPLICATION	Contactors for Motors
PRODUCT CATEGORY	Contactors
PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
	30274)
ARCING TIME	10 ms
ARCING TIME ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	
ELECTRICAL CONNECTION TYPE OF	10 ms
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	10 ms Screw connection 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE	10 ms Screw connection 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE VOLTAGE TYPE	10 ms Screw connection 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver DC
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY	10 ms Screw connection 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver DC IP00
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY	10 ms Screw connection 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver DC IP00 1
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED) AS	Screw connection 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver DC IP00 1

POWER CONSUMPTION (SEALING) AT DC	0.9 W
RATED BREAKING CAPACITY AT 220/230 V	250 A
RATED BREAKING CAPACITY AT 380/400 V	250 A
RATED BREAKING CAPACITY AT 500 V	250 A
RATED BREAKING CAPACITY AT 660/690 V	150 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
CONTACT	1 NC
CONFIGURATION	
DROP-OUT VOLTAGE	At least smoothed two- phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated
	phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC
DROP-OUT VOLTAGE OVERVOLTAGE	phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated
DROP-OUT VOLTAGE OVERVOLTAGE CATEGORY	phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated
DROP-OUT VOLTAGE OVERVOLTAGE CATEGORY DUTY FACTOR	phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated
DROP-OUT VOLTAGE OVERVOLTAGE CATEGORY DUTY FACTOR EMITTED INTERFERENCE INTERFERENCE	phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated III 100 % According to EN 60947-1
DROP-OUT VOLTAGE OVERVOLTAGE CATEGORY DUTY FACTOR EMITTED INTERFERENCE INTERFERENCE IMMUNITY	phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated III 100 % According to EN 60947-1 According to EN 60947-1 10,000,000 Operations (DC
DROP-OUT VOLTAGE OVERVOLTAGE CATEGORY DUTY FACTOR EMITTED INTERFERENCE INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL	phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated III 100 % According to EN 60947-1 According to EN 60947-1 10,000,000 Operations (DC operated) 0.7 - 1.2 V DC x Uc

TERMINAL CAPACITY (STRANDED)	1 x 16 mm², Main cables
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 16) mm², Main cables 2 x (0.75 - 10) mm², Main cables 1 x (0.75 - 2.5) mm², Control circuit cables
SHOCK RESISTANCE	10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 3.5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletopmounted, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 5 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal 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
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm ² , Control circuit cables 2 x (0.75 - 10) mm ² , Main cables 1 x (0.75 - 4) mm ² , Control circuit cables 1 x (0.75 - 16) mm ² , Main cables

TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 18 - 6, double 18 - 8, Main cables 18 - 14, Control circuit 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	12 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	12 V
RATED INSULATION VOLTAGE (UI)	690 V
RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)	350 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	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	13 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	13 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	13 A

RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	13 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	10 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)	25 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	8.5 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	11 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	14.5 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	3.5 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	4 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	6 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	6.5 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	8 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	8.5 kW
RATED OPERATIONAL POWER (NEMA)	11 kW

RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RESISTANCE PER POLE	$2.7~\text{m}\Omega$
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	0.9 W
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
STRIPPING LENGTH (MAIN CABLE)	10 mm
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	125 A, max. CB, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	10/100 kA, Fuse, SCCR (UL/CSA) 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) 10/65 kA, CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	10/22 kA, CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 125/100 A, Class J, max. Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	100 A gG/gL
SUITABLE FOR	Also motors with efficiency class IE3
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	50 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	35 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	35 A gG/gL

ATING OF BALLAST LECTRICAL DISCHARGE AMPS 347V 60Hz 1 phase) 40 A (480V 60Hz 3 phase, 277V 60Hz 1 phase) 40 A (480V 60Hz 3 phase, 277V 60Hz 1 phase) 150 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 25 A, FLA 480 V 60 Hz 3-ph, (UL/CSA) 3 HP, 200 V 60 Hz 3-ph, (UL/CSA) 17 A, 600 V 60 Hz 3-ph, (UL/CSA) 15 HP, 600 V 60 Hz 3-ph, (UL/CSA) 10 HP, 480 V 60 Hz 3-ph, (UL/CSA) 11 A, 200 V 60 Hz 3-ph, (UL/CSA) 5 HP, 240 V 60 Hz 3-ph, (UL/CSA) 40 A, FLA 480 V 60 Hz 3-ph, (UL/CSA) 240 A, LRA 480 V 60 Hz 3-ph, (UL/CSA) 240 A, LRA 480 V 60 Hz 3-ph, (UL/CSA) 240 A, LRA 480 V 60 Hz 3-ph, (UL/CSA) 240 A, LRA 480 V 60 Hz 3-phase, (CSA) 240 A, LRA 480 V 60 Hz 3-phase, (UL/CSA) 40 A, 600 V 60 Hz 3-phase, (UL/CSA)		
PECIAL PURPOSE ATING OF DEFINITE URPOSE RATING PECIAL PURPOSE ATING OF DEFINITE URPOSE RATING PECIAL PURPOSE ATING OF ELEVATOR ONTROL PECIAL PURPOSE ATING OF ONTROL PECIAL PURPOSE ATING OF ONTROL PECIAL PURPOSE ATING OF EFRIGERATION ONTROL PECIAL PURPOSE ATING OF EFRIGERATION ONTROL (CSA ONLY) PECIAL PURPOSE ATING OF RESISTANCE IR HEATING PECIAL PURPOSE ATING OF RESISTANCE ATING OF RESISTANCE IR HEATING PECIAL PURPOSE ATING OF RESISTANCE IR HEATING AVAILABE AVAILABE AVAIL	SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	347V 60Hz 1phase) 40 A (480V 60Hz 3phase,
CUL/CSA 3 HP, 200 V 60 Hz 3-ph, (UL/CSA) 17 A, 600 V 60 Hz 3-ph, (UL/CSA) 17 A, 600 V 60 Hz 3-ph, (UL/CSA) 15.2 A, 240 V 60 Hz 3-ph, (UL/CSA) 15.2 HP, 600 V 60 Hz 3-ph, (UL/CSA) 10 HP, 480 V 60 Hz 3-ph, (UL/CSA) 11 A, 200 V 60 Hz 3-ph, (UL/CSA) 11 A, 200 V 60 Hz 3-ph, (UL/CSA) 11 A, 200 V 60 Hz 3-ph, (UL/CSA) 5 HP, 240 V 60 Hz 3-ph, (UL/CSA) 5 HP, 240 V 60 Hz 3-ph, (UL/CSA) 5 HP, 240 V 60 Hz 3-ph, (UL/CSA) 180 A, FLA 480 V 60 Hz 3-phsee; (CSA) 240 A, FLA 480 V 60 Hz 3-phsee; (CSA) 240 A, FLA 480 V 60 Hz 3-phsee; (CSA) 240 A, FLA 480 V 60 Hz 3-phsee; (CSA) 240 A, FLA 600 V 60 Hz 3-phsee; (CSA) 240 A, FLA 600 V 60 Hz 3-phsee; (CSA) 240 A, FLA 600 V 60 Hz 3-phsee; (CSA) 240 A, FLA 600 V 60 Hz 3-phsee; (CSA) 240 A, 480 V 60 Hz 3-phsee; (UL/CSA) 40 A, 600 V 60 Hz 3-phsee; (UL/C	SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 25 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to
3phase; (CSA) PECIAL PURPOSE ATING OF SEFRIGERATION ONTROL (CSA ONLY) PECIAL PURPOSE ATING OF RESISTANCE IR HEATING PECIAL PURPOSE ATING OF TUNGSTEN NCANDESCENT LAMPS ONVENTIONAL HERMAL CURRENT ITH AT 40°C (3-POLE, OPEN) 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, 480 V 60 Hz 3phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, (UL/CSA) 40 A, 600 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 1phase, (UL/CSA) 45 A 45 A 45 A	SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	(UL/CSA) 3 HP, 200 V 60 Hz 3-ph, (UL/CSA) 17 A, 600 V 60 Hz 3-ph, (UL/CSA) 15.2 A, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 600 V 60 Hz 3-ph, (UL/CSA) 10 HP, 480 V 60 Hz 3-ph, (UL/CSA) 11 A, 200 V 60 Hz 3-ph, (UL/CSA) 5 HP, 240 V 60 Hz 3-ph,
PECIAL PURPOSE ATING OF RESISTANCE IR HEATING PECIAL PURPOSE ATING OF TUNGSTEN NCANDESCENT LAMPS PONVENTIONAL HERMAL CURRENT ITH AT 50°C (3-POLE, OPEN) 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, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, 40 A, 600 V 60 Hz 3phase, 40 A,	SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	3phase; (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
PECIAL PURPOSE ATING OF TUNGSTEN NCANDESCENT LAMPS CONVENTIONAL HERMAL CURRENT ITH AT 40°C (3-POLE, OPEN) 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 45 A 45 A 43 A	SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
HERMAL CURRENT ITH 45 A IT 40°C (3-POLE, OPEN) ONVENTIONAL HERMAL CURRENT ITH 43 A IT 50°C (3-POLE, OPEN)	SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
HERMAL CURRENT ITH 43 A IT 50°C (3-POLE, OPEN)	CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	45 A
ONVENTIONAL 40 A	CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	43 A
	CONVENTIONAL	40 A

THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)

RATED OPERATIONAL

POWER AT AC-3, 440 V, 50 15.5 kW

ΗZ

RATED OPERATIONAL

POWER AT AC-3, 500 V, 50 17.5 kW

HZ

RATED OPERATIONAL

POWER AT AC-3, 690 V, 50 14 kW

ACTUATING VOLTAGE RDC 12: 12 V DC

ALTITUDE Max. 2000 m

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

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