Specifications



Eaton 104475

Eaton Moeller® series DILMF Contactors for Semiconductor Industries acc. to SEMI F47, 380 V 400 V: 95 A, RAC 48: 42 - 48 V 50/60 Hz, Screw terminals

General specifications

PRODUCT NAME	Eaton Moeller® series DILMF contactor for semiconductor industries
CATALOG NUMBER	104475
MODEL CODE	DILMF95(RAC48)
EAN	4015081042920
PRODUCT LENGTH/DEPTH	160 mm
PRODUCT HEIGHT	170 mm
PRODUCT WIDTH	90 mm
PRODUCT WEIGHT	2.26 kg
CERTIFICATIONS	CSA File No.: 012528 UL Category Control No.: NLDX UL UL File No.: E29096 CSA-C22.2 No. 60947-4-1- 14 UL 60947-4-1 IEC/EN 60947-4-1 CSA Class No.: 2411-03, 3211-04 CE CSA
CATALOG NOTES	Also tested according to AC-3e.
GLOBAL CATALOG	104475



NUMBER OF POLESThree-poleProduct Range Catalor10.10 TEMPERATURE RISEThe panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.CATALOGSeaton-product-overvi for-machinery-catalor ca08103003zen-en-us10.11 SHORT-CIRCUIT RATINGIs the panel builder's responsibility. The specifications for the switchgear must be observed.SmartWire-DT Catalor catalor cateristic-curve- 003.eps	riew- ogue- us.pdf
10.10 TEMPERATORE RISE calculation. Eaton will provide heat dissipation data for the devices. for-machinery-catalog ca08103003zen-en-us 10.11 SHORT-CIRCUIT RATING Is the panel builder's responsibility. The specifications for the switchgear must be observed. SmartWire-DT Catalog 10.11 short-circuit RATING Is the panel builder's responsibility. The specifications for the switchgear must be observed. OU3.eps	ogue- is.pdf Og
10.11 SHORT-CIRCUIT responsibility. The specifications for the switchgear must be observed. eaton-contactors-component-dilm-characteristic-curve-observed.	
10.11 SHORT-CIRCUIT specifications for the switchgear must be observed. component-dilm-characteristic-curve-observed.	
Is the papel builder's	
10.12 ELECTROMAGNETIC responsibility. The specifications for the switchgear must be observed. CHARACTERISTIC CURVE time-loading-dilm-characteristic-curve-002.eps	
10.13 MECHANICAL The device meets the requirements, provided time-loading-dilm-time-loading-dil	
FUNCTION instruction leaflet (IL) is observed. DECLARATIONS OF DA-DC-00004781.pdf	
10.2.2 CORROSION Meets the product	<u>t</u>
RESISTANCE standard's requirements. eaton-contactors- mounting-dilm-	
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES Meets the product standard's requirements. dimensions.eps eaton-contactors-diln	
10.2.3.2 VERIFICATION OF dimensions-011.eps RESISTANCE OF Meets the product INSULATING MATERIALS standard's requirements. TO NORMAL HEAT dimensions-003.eps	
10.2.3.3 RESIST. OF eaton-general-ie-read INSUL. MAT. TO dilm-contactor- ABNORMAL HEAT/FIRE standard's requirements.	<u>dy-</u>
BY INTERNAL ELECT. eaton-contactors-diln EFFECTS drawing-013.eps	<u>m-3d-</u>
10.2.4 RESISTANCE TO Meets the product ECAD MODEL ETN.104475.edz	
RADIATION standard's requirements. INSTALLATION eaton-dil-contactors- Does not apply, since the INSTRUCTIONS instruction-leaflet-	2
10.2.5 LIFTING entire switchgear needs to be evaluated. INSTALLATION VIDEOS WIN-WIN with push-in technology	<u>in</u>
10.2.6 MECHANICAL Does not apply, since the entire switchgear needs to	1
IMPACT Critice switchgear needs to be evaluated. MCAD MODEL	
10.2.7 INSCRIPTIONS Meets the product standard's requirements. eaton-contactors-circ SYSTEM OVERVIEW breaker-dilmf-explosit	
10.3 DEGREE OFDoes not apply, since the entire switchgear needs todrawing.epsPROTECTION OFentire switchgear needs to	

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	ls the panel builder's responsibility.
FITTED WITH:	Built-in suppressor circuit
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
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE	7.5 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	30 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	40 HP

eaton-contactors-
mounting-dilmf-explosion-
drawing.eps
eaton-contactors-contact-
eaton-contactors-contact- dilm-wiring-diagram-

WIRING DIAGRAMS

ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	75 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	100 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	250 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	100 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	275 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	12.6 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	4.2 W
APPLICATION	Contactors for Semiconductor Industries acc. to SEMI F47
PRODUCT CATEGORY	Contactors
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
VOLTAGE TYPE	AC
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 CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	48 V
RATED CONTROL SUPPLY	42 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	42 V
DROP-OUT VOLTAGE	AC operated: 0.5 - 0.2 x UC, AC operated
DUTY FACTOR	100 %
EMITTED INTERFERENCE	According to EN 60947-1
INTERFERENCE IMMUNITY	According to EN 60947-1
PICK-UP VOLTAGE	0.8 - 1.15 V AC x Uc
POWER CONSUMPTION, PICK-UP, 50 HZ	75 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
POWER CONSUMPTION, SEALING, 50 HZ	2 W, Dual-frequency coil ir a cold state and 1.0 x Us, at 50 Hz 2 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	125 A, Maximum motor rating (UL/CSA)
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	110 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	95 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	95 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	95 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	95 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	80 A

RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V37 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V37 ARATED OPERATIONAL CURRENT FOR SPECIFIED POWER AT AC-3, 240 V, 50 HZ95 ARATED OPERATIONAL POWER AT AC-3, 240 V, 50 V, 50 HZ4 kWRATED OPERATIONAL POWER AT AC-3, 240 V, 50 V, 50 HZ57 kWRATED OPERATIONAL POWER AT AC-3, 240 V, 50 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-3, 240 V, 50 V, 50 HZ17 kWRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ26 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 50 V, 50 HZ30 kWRATED OPERATIONAL POWER AT AC-4, 410 V, 50 HZ32 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ35 kWRATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ35 kW
CURRENT (IE) AT AC-4, 400 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 50 A50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V37 ARATED OPERATIONAL CURRENT FOR SPECIFIED POWER AT AC-3, 240 V, 50 HZ95 ARATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ95 kWRATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ95 kWRATED OPERATIONAL POWER AT AC-3, 415 V, 50 V, 50 HZ57 kWRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ26 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 50 V, 50 HZ30 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 50 V, 50 HZ32 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ32 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ32 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ35 kWRATED OPERATIONAL POWER AT AC-4, 660/690 HZ35 kW
CURRENT (IE) AT AC-4, 440 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V37 ARATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)95 ARATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ4 kWRATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ95 kWRATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ57 kWRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ17 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 50 S0 HZ30 kWRATED OPERATIONAL POWER AT AC-4, 40 V, 50 HZ32 kWRATED OPERATIONAL POWER AT AC-4, 40 V, 50 HZ32 kWRATED OPERATIONAL POWER AT AC-4, 400 V, 50 HZ35 kW
CURRENT (IE) AT AC-4, 500 V50 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V37 ARATED OPERATIONAL CURRENT FOR SPECIFIED POWER AT AC-3, 240 V, 5095 ARATED OPERATIONAL POWER AT AC-3, 240 V, 504 kWRATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ95 kWRATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ95 kWRATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ57 kWRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ17 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ30 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ32 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ35 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ35 kW
CURRENT (IE) AT AC-4, 660 V, 690 V37 ARATED OPERATIONAL CURRENT FOR SPECIFIED95 ARATED OPERATION (IN)95 ARATED OPERATIONAL POWER AT AC-3, 240 V, 504 kWRATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ95 kWRATED OPERATIONAL POWER AT AC-3, 415 V, 5057 kWRATED OPERATIONAL POWER AT AC-4, 220/23016 kWRATED OPERATIONAL POWER AT AC-4, 220/23016 kWRATED OPERATIONAL POWER AT AC-4, 240 V, 5017 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 5030 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 5032 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 5032 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 5036 kWHZRATED OPERATIONAL POWER AT AC-4, 660/69035 kWV, 50 HZ35 kW
CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)95 ARATED OPERATIONAL POWER AT AC-3, 240 V, 504 kWRATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ95 kWRATED OPERATIONAL POWER AT AC-3, 415 V, 5095 kWRATED OPERATIONAL POWER AT AC-3, 415 V, 5057 kWRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-4, 240 V, 5017 kWRATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ26 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 5030 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 5032 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 5036 kWHZRATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ35 kW
POWER AT AC-3, 240 V, 504 kWHZRATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ95 kWRATED OPERATIONAL POWER AT AC-3, 415 V, 5057 kWRATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ16 kWRATED OPERATIONAL POWER AT AC-4, 240 V, 5017 kWRATED OPERATIONAL POWER AT AC-4, 240 V, 5026 kWRATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ26 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 5030 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 5032 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 5032 kWHZRATED OPERATIONAL POWER AT AC-4, 40 V, 5035 kWRATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ35 kW
POWER AT AC-3, 380/40095 kWV, 50 HZRATED OPERATIONALPOWER AT AC-3, 415 V, 5057 kWHZRATED OPERATIONALPOWER AT AC-4, 220/23016 kWV, 50 HZ16 kWRATED OPERATIONAL17 kWPOWER AT AC-4, 240 V, 5017 kWHZRATED OPERATIONALPOWER AT AC-4, 240 V, 5017 kWHZ26 kWRATED OPERATIONAL26 kWPOWER AT AC-4, 380/40026 kWV, 50 HZ30 kWRATED OPERATIONAL30 kWPOWER AT AC-4, 415 V, 5032 kWHZRATED OPERATIONALPOWER AT AC-4, 440 V, 5032 kWHZRATED OPERATIONALPOWER AT AC-4, 500 V, 5036 kWHZRATED OPERATIONALPOWER AT AC-4, 660/69035 kWV, 50 HZRATED OPERATIONAL
POWER AT AC-3, 415 V, 5057 kWPZ57 kWRATED OPERATIONAL16 kWPOWER AT AC-4, 220/23016 kWV, 50 HZ17 kWRATED OPERATIONAL26 kWPOWER AT AC-4, 380/40026 kWV, 50 HZ30 kWRATED OPERATIONAL30 kWPOWER AT AC-4, 415 V, 5030 kWRATED OPERATIONAL30 kWPOWER AT AC-4, 440 V, 5032 kWRATED OPERATIONAL32 kWPOWER AT AC-4, 500 V, 5036 kWRATED OPERATIONAL35 kWPOWER AT AC-4, 660/69035 kWV, 50 HZ35 kW
POWER AT AC-4, 220/230 16 kW V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 240 V, 50 17 kW HZ RATED OPERATIONAL POWER AT AC-4, 380/400 26 kW V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 415 V, 50 30 kW HZ RATED OPERATIONAL POWER AT AC-4, 440 V, 50 32 kW HZ RATED OPERATIONAL POWER AT AC-4, 500 V, 50 36 kW HZ RATED OPERATIONAL POWER AT AC-4, 660/690 35 kW V, 50 HZ
POWER AT AC-4, 240 V, 5017 kWHZRATED OPERATIONAL POWER AT AC-4, 380/40026 kWV, 50 HZ26 kWRATED OPERATIONAL POWER AT AC-4, 415 V, 5030 kWHZ30 kWRATED OPERATIONAL POWER AT AC-4, 440 V, 5032 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 5036 kWRATED OPERATIONAL POWER AT AC-4, 660/69035 kWV, 50 HZ35 kWRATED OPERATIONAL POWER AT AC-4, 660/69035 kW
POWER AT AC-4, 380/400 26 kW V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 415 V, 50 30 kW HZ RATED OPERATIONAL POWER AT AC-4, 440 V, 50 32 kW HZ RATED OPERATIONAL POWER AT AC-4, 500 V, 50 36 kW HZ RATED OPERATIONAL POWER AT AC-4, 660/690 35 kW V, 50 HZ
POWER AT AC-4, 415 V, 5030 kWHZRATED OPERATIONAL POWER AT AC-4, 440 V, 5032 kWRATED OPERATIONAL POWER AT AC-4, 500 V, 5036 kWRATED OPERATIONAL POWER AT AC-4, 660/69035 kWV, 50 HZ35 kW
POWER AT AC-4, 440 V, 50 32 kW HZ RATED OPERATIONAL POWER AT AC-4, 500 V, 50 36 kW HZ RATED OPERATIONAL POWER AT AC-4, 660/690 35 kW V, 50 HZ RATED OPERATIONAL
POWER AT AC-4, 500 V, 50 36 kW HZ RATED OPERATIONAL POWER AT AC-4, 660/690 35 kW V, 50 HZ RATED OPERATIONAL
POWER AT AC-4, 660/690 35 kW V, 50 HZ RATED OPERATIONAL
RATED OPERATIONAL
POWER (NEMA)

RESISTANCE PER POLE	0.56 m0
	0.56 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	0.8 W
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	55 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	40 ms
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	600 A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA) 600 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	250 A, max. CB, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	350 A, max. CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA)
SUITABLE FOR	Also motors with efficiency class IE3 SEMI F47, Magnet systems
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	100 A (480V 60Hz 3phase, 277V 60Hz 1phase) 100 A (600V 60Hz 3phase, 347V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	95 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 570 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	62.1 A, 200 V 60 Hz 3-ph, (UL/CSA) 30 HP, 240 V 60 Hz 3-ph, (UL/CSA) 60 HP, 480 V 60 Hz 3-ph, (UL/CSA) 77 A, 480 V 60 Hz 3-ph, (UL/CSA)

SPECIAL PURPOSE RATING OF REFRIGERATION	80 A, 240 V 60 Hz 3-ph, (UL/CSA) 77 A, 600 V 60 Hz 3-ph, (UL/CSA) 20 HP, 200 V 60 Hz 3-ph, (UL/CSA) 75 HP, 600 V 60 Hz 3-ph, (UL/CSA) 90 A, FLA 480 V 60 Hz 3phase; (CSA) 70 A, FLA 600 V 60 Hz 3phase; (CSA) 540 A, LRA 480 V 60 Hz
CONTROL (CSA ONLY)	3phase; (CSA) 420 A, LRA 600 V 60 Hz 3phase; (CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	100 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 100 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	100 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 100 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	130 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	125 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	110 A
AT 60 C (S-FOLE, OFEN)	
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	60 kW
RATED OPERATIONAL POWER AT AC-3, 440 V, 50	
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ RATED OPERATIONAL POWER AT AC-3, 500 V, 50	70 kW
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ RATED OPERATIONAL POWER AT AC-3, 690 V, 50	70 kW
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	70 kW 75 kW
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ ACTUATING VOLTAGE	70 kW 75 kW RAC 48: 42 - 48 V 50/60 Hz

AC, 50 HZ - MAX

OPERATING VOLTAGE AT 230 V

OPERATING VOLTAGE AT AC, 60 HZ - MAX

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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