Specifications



Eaton 106370

Eaton Moeller® series DILM Contactor, 380 V 400 V 7.5 kW, 2 N/O, 2 NC, 24 V DC, DC operation, Screw terminals

General specifications	5
PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	106370
MODEL CODE	DILM15-22(24VDC)
EAN	4015081061402
PRODUCT LENGTH/DEPTH	117 mm
PRODUCT HEIGHT	68 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.351 kg
CERTIFICATIONS	IEC/EN 60947-4-1 UL CSA Class No.: 2411-03, 3211-04 CSA File No.: 012528 CSA-C22.2 No. 60947-4-1- 14 UL 60947-4-1 CSA UL File No.: E29096 UL Category Control No.: NLDX CF
	VDE 0660 IEC/EN 60947
CATALOG NOTES	VDE 0660



Product specification	S	Resources	
ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND	Screw connection	incsoul ces	Product Range Catalog Switching and protecting motors
CONTROL-CURRENT CIRCUIT		CATALOGS	SmartWire-DT Catalog
NUMBER OF POLES	Three-pole		eaton-product-overview-
	The panel builder is responsible for the		for-machinery-catalogue- ca08103003zen-en-us.pdf
10.10 TEMPERATURE RISE	temperature rise calculation. Eaton will provide heat dissipation data for the devices.		eaton-contactors- component-dilm- characteristic-curve- 003.eps
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.	CHARACTERISTIC CURVE	eaton-contactors-switch-dilm-characteristic-curve.eps eaton-contactors-short-
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.		time-loading-dilm-characteristic-curve.eps eaton-contactors-switch-dilm-characteristic-curve-002.eps
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	DECLARATIONS OF CONFORMITY	DA-DC-00004810.pdf DA-DC-00004792.pdf eaton-contactors-module-
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.		dilm-dimensions-002.eps eaton-contactors-module-
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.		dilm-dimensions.eps eaton-contactors-frame- dilm-dimensions.eps
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.	DRAWINGS	eaton-contactors- mounting-dilm- dimensions-002.eps
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT.	Meets the product standard's requirements.		eaton-contactors- mounting-dilm- dimensions.eps eaton-contactors-contact-
EFFECTS			dilm-3d-drawing.eps
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV)	Meets the product	ECAD MODEL	ETN.106370.edz
RADIATION	standard's requirements.	INSTALLATION	<u>IL03407043Z</u>
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.	INSTRUCTIONS	eaton-contactors-dila- dilm7-15-dilmp20- il03407013z.pdf
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.	INSTALLATION VIDEOS	WIN-WIN with push-in technology

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	Is 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.
FITTED WITH:	Mirror contact Varistor suppressor circuit
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
CLIMATIC PROOFING RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to
RATED IMPULSE WITHSTAND VOLTAGE	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 8000 V AC AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging,
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) UTILIZATION CATEGORY	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 8000 V AC AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching

MCAD MODEL	DA-CS-dil_m7_15_a_xhi
WICAD WIODEL	DA-CD-dil m7 15 a xhi
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram- 004.eps
	2100SWI-125

TEMPERATURE - MAX	
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	1 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	5 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	3 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	5 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	10 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	10 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	45 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	18 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	21 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	50 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	2.4 W
HEAT DISSIPATION CAPACITY PDISS	0 W

HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.8 W
SWITCHING TIME (DC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	31 ms
SWITCHING TIME (DC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	12 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)
ARCING TIME	10 ms
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
CORFIND DIVER CITE	0.8 x 5.5/1 x 6 mm, Terminal screw, Standard
SCREWDRIVER SIZE	screwdriver 2, Terminal screw, Pozidriv screwdriver
VOLTAGE TYPE	2, Terminal screw, Pozidriv
	2, Terminal screw, Pozidriv screwdriver
VOLTAGE TYPE	2, Terminal screw, Pozidriv screwdriver
VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY	2, Terminal screw, Pozidriv screwdriver DC IP20
VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY	2, Terminal screw, Pozidriv screwdriver DC IP20 2
VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED	2, Terminal screw, Pozidriv screwdriver DC IP20 2
VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED) AS	2, Terminal screw, Pozidriv screwdriver DC IP20 2 2
VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT (NORMALLY CLOSED) AS	2, Terminal screw, Pozidriv screwdriver DC IP20 2 2 0

POWER CONSUMPTION (SEALING) AT DC	4.5 W
RATED BREAKING CAPACITY AT 220/230 V	124 A
RATED BREAKING CAPACITY AT 380/400 V	124 A
RATED BREAKING CAPACITY AT 500 V	100 A
RATED BREAKING CAPACITY AT 660/690 V	70 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
DROP-OUT VOLTAGE	At least smoothed two- phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC 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 (DC operated) 7,000,000 Operations (Coil 50/60 Hz)
PICK-UP VOLTAGE	0.7 - 1.3 V DC x Uc (without auxiliary contact module and at ambient air temperature + 40 °C) 0.85 - 1.1 V DC x Uc (only with auxiliary contact module with 3 or more N/C contacts) 0.8 - 1.1 V DC x Uc
SAFE ISOLATION	400 V AC, Between coil and contacts, According to EN 61140 400 V AC, Between the

	contacts, According to EN 61140
SCREW SIZE	M3.5, Terminal screw
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) mm ² 1 x (0.75 - 2.5) mm ² 2 x (0.75 - 2.5) mm ²
SHOCK RESISTANCE	5.7 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms 3.4 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms 3.4 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 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 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm ² 1 x (0.75 - 4) mm ² 1 x (0.75 - 2.5) mm ²
TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 18 - 10, double 18 - 14
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	20 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	1.2 Nm, Screw terminals
RATED CONTROL SUPPLY VOLTAGE (US) AT DC -	24 V

MAX	
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	24 V
RATED INSULATION VOLTAGE (UI)	690 V
RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)	155 A
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	22 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	15.5 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	15.5 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	15.5 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	12.5 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	9 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	5 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	20 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	15 A
RATED OPERATIONAL	20 A

CURRENT (IE) AT DC-1, 60 V	
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	15.5 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	4.6 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	7.5 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	8 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	2 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	2.2 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	3 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	3.4 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	3.6 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	3.5 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	4.4 kW
RATED OPERATIONAL POWER (NEMA)	7.4 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RESISTANCE PER POLE	4.6 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	4.5 W
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
STRIPPING LENGTH (MAIN CABLE)	10 mm

SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	60 A, max. CB, SCCR (UL/CSA) 45 A, max. Fuse, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	30/100 kA, Fuse, SCCR (UL/CSA) 25 A, Class RK5/ 60 A Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	30/100 kA, Fuse, SCCR (UL/CSA) 25 A, Class RK5/60 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	63 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	50 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	20 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	20 A gG/gL
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	20 A (600V 60Hz 3phase, 347V 60Hz 1phase) 20 A (480V 60Hz 3phase, 277V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	90 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 15 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	2 HP, 200 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 600 V 60 Hz 3-ph, (UL/CSA) 9.6 A, 240 V 60 Hz 3-ph, (UL/CSA) 9 A, 600 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 480 V 60 Hz 3-ph, (UL/CSA) 11 A, 480 V 60 Hz 3-ph, (UL/CSA)

TING OF FRIGERATION PATROL (CSA ONLY) Sphase; (CSA) 60 A, LRA 480 V 60 Hz 3phase; (CSA) 60 A, LRA 600 V 60 Hz 3phase; (CSA) 60 A, LRA 600 V 60 Hz 3phase; (CSA) 60 A, LRA 600 V 60 Hz 3phase; (CSA) 20 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 20 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 15 DHZ 1phase, (UL/CSA) 16 DHZ 1phase, (UL/CSA) 17 V 60 Hz 1phase, (UL/CSA) 18 DHZ 1phase, (UL/CSA) 19 DHZ 1phase, (UL/CSA) 10 DHZ 1phase, (UL/CSA) 11 DHZ 1phase, (UL/CSA) 11 DHZ 1phase, (UL/CSA) 12 DHZ 1phase, (UL/CSA) 14 DHZ 1phase, (UL/CSA) 15 DHZ 1phase, (UL/CSA) 16 DHZ 1phase, (UL/CSA) 17 V 60 Hz 1phase, (UL/CSA) 18 DHZ 1phase, (UL/CSA) 19 DHZ 1phase, (UL/CSA) 10 DHZ 1phase, (UL/CSA) 11 DHZ 1phase, (UL/CSA) 11 DHZ 1phase, (UL/CSA) 12 DHZ 1phase, (UL/CSA) 14 DHZ 1phase, (UL/CSA) 15 DHZ 1phase, (UL/CSA) 16 DHZ 1phase, (UL/CSA) 17 V 60 Hz 1phase, (UL/CSA) 18 DHZ 1PHZ 1PHZ 1PHZ 1PHZ 1PHZ 1PHZ 1PHZ 1P		
SCIAL PURPOSE TING OF FRIGERATION INTROL (CSA ONLY) FRIGERATION FRIGERATION INTROL (CSA ONLY) FRIGERATION FRIGERAT		(UL/CSA) 3 HP, 240 V 60 Hz 3-ph,
ECIAL PURPOSE TING OF RESISTANCE R HEATING 277 V 60 Hz 1phase, (UL/CSA) 20 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) INVENTIONAL ERMAL CURRENT ITH 40°C (3-POLE, OPEN) INVENTIONAL ERMAL CURRENT ITH 50°C (3-POLE, OPEN) INVENTIONAL ERMAL CURRENT ITH 60°C (3-POLE, OPEN) TED OPERATIONAL WER AT AC-3, 440 V, 50 TED OPERATIONAL WER AT AC-3, 690 V, 50 TUATING VOLTAGE TITUDE Max. 2000 m ERATING VOLTAGE AT 7, 50 Hz - MAX	SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	3phase; (CSA) 10 A, FLA 480 V 60 Hz 3phase; (CSA) 60 A, LRA 480 V 60 Hz 3phase; (CSA) 60 A, LRA 600 V 60 Hz
ECIAL PURPOSE TING OF TUNGSTEN CANDESCENT LAMPS 277 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) INVENTIONAL ERMAL CURRENT ITH 40°C (3-POLE, OPEN) INVENTIONAL ERMAL CURRENT ITH 50°C (3-POLE, OPEN) INVENTIONAL ERMAL CURRENT ITH 60°C (3-POLE, OPEN) ITED OPERATIONAL IWER AT AC-3, 440 V, 50 TED OPERATIONAL IWER AT AC-3, 500 V, 50 TED OPERATIONAL IWER AT AC-3, 690 V, 50 TUATING VOLTAGE TITUDE Max. 2000 m ERATING VOLTAGE AT , 50 HZ - MAX	SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	277 V 60 Hz 1phase, (UL/CSA) 20 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
ERMAL CURRENT ITH 40°C (3-POLE, OPEN) NVENTIONAL ERMAL CURRENT ITH 50°C (3-POLE, OPEN) NVENTIONAL ERMAL CURRENT ITH 60°C (3-POLE, OPEN) TED OPERATIONAL WER AT AC-3, 440 V, 50 TED OPERATIONAL WER AT AC-3, 500 V, 50 TED OPERATIONAL WER AT AC-3, 690 V, 50 TUATING VOLTAGE TITUDE Max. 2000 m ERATING VOLTAGE AT , 50 HZ - MIN ERATING VOLTAGE AT , 50 HZ - MAX ERATING VOLTAGE AT , 50 HZ - MAX ERATING VOLTAGE AT , 50 HZ - MAX	SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	277 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
ERMAL CURRENT ITH 50°C (3-POLE, OPEN) INVENTIONAL ERMAL CURRENT ITH 20 A 60°C (3-POLE, OPEN) TED OPERATIONAL OWER AT AC-3, 440 V, 50 8.4 kW TED OPERATIONAL OWER AT AC-3, 500 V, 50 7.5 kW TED OPERATIONAL OWER AT AC-3, 690 V, 50 7 kW TUATING VOLTAGE 24 V DC TITUDE Max. 2000 m TERATING VOLTAGE AT 7, 50 HZ - MIN TERATING VOLTAGE AT 7, 50 HZ - MAX TERATING VOLTAGE AT 74 V	CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	22 A
ERMAL CURRENT ITH 60°C (3-POLE, OPEN) TED OPERATIONAL 8.4 kW TED OPERATIONAL WER AT AC-3, 440 V, 50 7.5 kW TED OPERATIONAL WER AT AC-3, 500 V, 50 7 kW TED OPERATIONAL WER AT AC-3, 690 V, 50 7 kW TUATING VOLTAGE 24 V DC TITUDE Max. 2000 m PERATING VOLTAGE AT , 50 HZ - MIN PERATING VOLTAGE AT , 50 HZ - MAX PERATING VOLTAGE AT , 50 HZ - MAX	CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	21 A
TED OPERATIONAL WER AT AC-3, 500 V, 50 7.5 kW TED OPERATIONAL WER AT AC-3, 690 V, 50 7 kW TUATING VOLTAGE 24 V DC TITUDE Max. 2000 m PERATING VOLTAGE AT , 50 HZ - MIN PERATING VOLTAGE AT , 50 HZ - MAX PERATING VOLTAGE AT 24 V	CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	20 A
TED OPERATIONAL WER AT AC-3, 500 V, 50 7 kW TUATING VOLTAGE 24 V DC TITUDE Max. 2000 m PERATING VOLTAGE AT , 50 HZ - MIN PERATING VOLTAGE AT , 50 HZ - MAX PERATING VOLTAGE AT 24 V	RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	8.4 kW
TUATING VOLTAGE TITUDE Max. 2000 m ERATING VOLTAGE AT , 50 HZ - MIN ERATING VOLTAGE AT , 50 HZ - MAX ERATING VOLTAGE AT , 50 HZ - MAX ERATING VOLTAGE AT , 50 HZ - MAX	RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	7.5 kW
TITUDE Max. 2000 m PERATING VOLTAGE AT , 50 HZ - MIN PERATING VOLTAGE AT , 50 HZ - MAX PERATING VOLTAGE AT 24 V	RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	7 kW
PERATING VOLTAGE AT , 50 HZ - MIN 24 V PERATING VOLTAGE AT , 50 HZ - MAX PERATING VOLTAGE AT 24 V	ACTUATING VOLTAGE	24 V DC
, 50 HZ - MIN PERATING VOLTAGE AT , 50 HZ - MAX PERATING VOLTAGE AT 24 V	ALTITUDE	Max. 2000 m
, 50 HZ - MAX PERATING VOLTAGE AT	OPERATING VOLTAGE AT AC, 50 HZ - MIN	24 V
24 V	OPERATING VOLTAGE AT AC, 50 HZ - MAX	690 V
	OPERATING VOLTAGE AT AC, 60 HZ - MIN	24 V
690 V	OPERATING VOLTAGE AT AC, 60 HZ - MAX	690 V

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	



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