## Specifications

Photo is representative

## Eaton 112424

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 18.5 kW, 1 N/O, 42 V 50 Hz, 48 V 60 Hz, AC operation, Screw terminals

General specifications	
PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	112424
MODEL CODE	DILM38- 10(42V50HZ,48V60HZ)
EAN	4015081119820
PRODUCT LENGTH/DEPTH	97 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.428 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	EN 60947-4-1 IEC 60947-4-1 CSA Std. C22.2 No. 14-05 UL 508 VDE VDE 0660 UL 60947-4-1 UL File No.: E29096 UL Category Control No.: NLDX CSA File No.: 012528 IEC/EN 60947 IEC/EN 60947-4-1 UL CE CSA-C22.2 No. 60947-4-1-14 CSA CSA Class No.: 2411-03, 3211-04
CATALOG NOTES	Contacts according to EN 50012
GLOBAL CATALOG	112424



Product specification	S
ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Screw connection
AMPERAGE RATING	38A
NUMBER OF POLES	Three-pole
VOLTAGE RATING	42-48 V
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.

Resources	
CATALOGS	SmartWire-DT Catalog
	Product Range Catalog Switching and protecting motors
	eaton-product-overview- for-machinery-catalogue- ca08103003zen-en-us.pdf
CHARACTERISTIC CURVE	eaton-contactors-switch-dilm-characteristic-curve-002.eps
	eaton-contactors- component-dilm- characteristic-curve- 003.eps
	eaton-contactors-switch- dilm-characteristic- curve.eps
DECLARATIONS OF	DA-DC-00004816.pdf
CONFORMITY	DA-DC-00004783.pdf
DRAWINGS	eaton-contactors- mounting-dilm- dimensions.eps
	eaton-contactors- mounting-dilm- dimensions-002.eps
	eaton-contactors- dimensions-210t014.eps
	eaton-contactors-contact- dimensions-210x202.eps
	eaton-contactors-dilm-3d-drawing-009.eps
ECAD MODEL	ETN.112424.edz
INSTALLATION INSTRUCTIONS	IL03407014Z2021_09.pdf
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CS-dil m17 38
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram.eps

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.
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	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
FREQUENCY RATING	50-60 Hz
OPERATING FREQUENCY	5000 mechanical Operations/h (AC 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	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	9.3 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	3.1 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
CONTACTS (NORMALLY	3 60 °C
CONTACTS (NORMALLY OPEN CONTACT)  OPERATING	
CONTACTS (NORMALLY OPEN CONTACT)  OPERATING TEMPERATURE - MAX  OPERATING	60 °C

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	42 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	42 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	48 V
CONTACT CONFIGURATION	1 NO
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	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	52 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SAFE ISOLATION	440 V AC, Between coil and contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 HZ	67 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
SCREW SIZE	M5, Terminal screw, Main cables M3.5, Terminal screw, Control circuit cables
POWER CONSUMPTION, SEALING, 50 HZ	7.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.1 W, Dual-frequency coil

TERMINAL CAPACITY (SOLID)	1 x (0.75 - 16) mm², Main cables 2 x (0.75 - 10) mm², Main cables 1 x (0.75 - 4) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit 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	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	38 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	38 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	38 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	38 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	22.5 A
RATED OPERATIONAL CURRENT (IE) AT AC-4,	15 A

220 V, 230 V, 240 V	
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)	38 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	12 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	18.5 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	20 kW
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	7.5 kW
POWER AT AC-4, 415 V, 50 HZ	
	8 kW

POWER AT AC-4, 500 V, 50	
HZ 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)	5 kA, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	10/65 kA, CB, SCCR (UL/CSA) 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)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT	10/100 kA, Fuse, SCCR (UL/CSA)

600 V)	50/32 A, max. CB, SCCR (UL/CSA) 10/22 kA, CB, SCCR (UL/CSA) 125/125 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	125 A gG/gL
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	192 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 32 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	7.5 HP, 240 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, 600 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) 25.3 A, 200 V 60 Hz 3-ph, (UL/CSA) 27 A, 480 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	240 A, LRA 480 V 60 Hz 3phase; (CSA) 40 A, FLA 480 V 60 Hz 3phase; (CSA) 180 A, LRA 600 V 60 Hz

SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS  OPERATING  CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)  RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ  RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ  ACTUATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MAX  OPERATING VOLTAGE AT OPERATING VOLTAGE AT AC, 60 HZ - MAX  OPERATING VOLTAGE AT OPERATING VOLTAGE		
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS  SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS  SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS  OPERATING TEMPERATURE  CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)  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 AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OP		30 A, FLA 600 V 60 Hz
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS  OPERATING TEMPERATURE  CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)  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  ALTITUDE  Max. 2000 m  OPERATING VOLTAGE AT AC, 50 HZ - MAX OPERATING VOLTAGE AT AC, 60 HZ - MIN	RATING OF RESISTANCE	277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
TEMPERATURE  CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)  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 ALTITUDE  OPERATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT	RATING OF TUNGSTEN	277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)  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 42 V 50 Hz, 48 V 60 Hz  ALTITUDE Max. 2000 m  OPERATING VOLTAGE AT AC, 50 Hz - MIN  OPERATING VOLTAGE AT AC, 60 Hz - MIN		-25° to 60°C
THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)  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  RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ  ACTUATING VOLTAGE 42 V 50 Hz, 48 V 60 Hz  ALTITUDE Max. 2000 m  OPERATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN	THERMAL CURRENT ITH	45 A
THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)  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, 500 V, 50 HZ  RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ  ACTUATING VOLTAGE 42 V 50 Hz, 48 V 60 Hz  ALTITUDE Max. 2000 m  OPERATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN	THERMAL CURRENT ITH	43 A
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  ALTITUDE  OPERATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN	THERMAL CURRENT ITH	40 A
POWER AT AC-3, 500 V, 50 HZ  RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ  ACTUATING VOLTAGE  ALTITUDE  OPERATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT AC, 690 V	POWER AT AC-3, 440 V, 50	21 kW
POWER AT AC-3, 690 V, 50 HZ  ACTUATING VOLTAGE  ALTITUDE  Max. 2000 m  OPERATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT 690 V	POWER AT AC-3, 500 V, 50	24 kW
ALTITUDE Max. 2000 m  OPERATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT 690 V	POWER AT AC-3, 690 V, 50	21 kW
OPERATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT 690 V	ACTUATING VOLTAGE	42 V 50 Hz, 48 V 60 Hz
AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT 690 V	ALTITUDE	Max. 2000 m
AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT 690 V		24 V
AC, 60 HZ - MIN  OPERATING VOLTAGE AT  690 V		690 V
690 V		24 V
	OPERATING VOLTAGE AT AC, 60 HZ - MAX	690 V

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	



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