## Specifications



## Eaton 239736

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 55 kW, RAC 240: 190 - 240 V 50/60 Hz, AC operation, Spring-loaded terminals DILMC115(RAC240)

General specifications		
PRODUCT NAME	Eaton Moeller® series DILM contactor	
CATALOG NUMBER	239736	
MODEL CODE	DILMC115(RAC240)	
EAN	4015082397364	
PRODUCT LENGTH/DEPTH	160 mm	
PRODUCT HEIGHT	170 mm	
PRODUCT WIDTH	90 mm	
PRODUCT WEIGHT	2.27 kg	
CERTIFICATIONS	VDE 0660 CSA Class No.: 2411-03, 3211-04 CSA File No.: 012528 UL Category Control No.: NLDX CSA CE UL File No.: E29096 IEC/EN 60947-4-1 UL UL 60947-4-1 CSA-C22.2 No. 60947-4-1-14 IEC/EN 60947	
CATALOG NOTES	Contacts according to EN 50012	
GLOBAL CATALOG	239736	



Product specification	S	Resources	
ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Spring clamp connection	CATALOGS	SmartWire-DT Catalog  Product Range Catalog  Switching and protecting motors
NUMBER OF POLES	Three-pole		eaton-product-overview-
	The panel builder is		for-machinery-catalogue- ca08103003zen-en-us.pdf
10.10 TEMPERATURE RISE	responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.		eaton-contactors-switch-dilm-characteristic-curve.eps
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.	CHARACTERISTIC CURVE	eaton-contactors-short- time-loading-dilm- characteristic-curve- 002.eps
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.		dilm-characteristic-curve- 002.eps  eaton-contactors- component-dilm- characteristic-curve-
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	DECLARATIONS OF CONFORMITY	003.eps  DA-DC-00004781.pdf  DA-DC-00004818.pdf
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.		eaton-contactors-dilm- dimensions-003.eps
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.		eaton-contactors-dilm-dimensions-011.eps  eaton-contactors-
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.	DRAWINGS	mounting-dilm- dimensions-002.eps  eaton-contactors- mounting-dilm-
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.		dimensions.eps  eaton-contactors-frame- dilm-3d-drawing.eps  eaton-general-ie-ready-
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.		dilm-contactor- standards.eps eaton-contactors-dilm-3d-
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to		drawing.eps
	be evaluated.	ECAD MODEL	ETN.239736.edz
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.	INSTALLATION INSTRUCTIONS	eaton-dil-contactors- instruction-leaflet- il03407039z.pdf

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
OPERATING FREQUENCY	3600 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-1: Non-inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-3: Normal AC induction motors: starting, switch off during running

INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CS-dil mc80 170
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram- 003.eps

CONNECTION	Spring-loaded terminals Screw terminals
FRAME SIZE	FS4
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	10 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	40 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	25 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	50 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	100 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	100 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	285 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	115 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	135 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	325 A
EQUIPMENT HEAT	18.9 W

DISSIPATION, CURRENT- DEPENDENT PVID	
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	6.3 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)
TERMINALS	Spring-cage terminals on auxiliary and control circuit terminals
ARCING TIME	15 ms
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
SCREWDRIVER SIZE	3.5 mm, Spring-loaded terminals, Control circuit cables
VOLTAGE TYPE	AC
VOLTAGE TYPE DEGREE OF PROTECTION	AC IP00
DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY	IP00
DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY	IP00 0
DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)  NUMBER OF CONTACTS (NORMALLY CLOSED) AS	0 0
DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)  NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT  NUMBER OF MAIN CONTACTS (NORMALLY	0 0 0
DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)  NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT  NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)  RATED BREAKING	0 0 0 3
DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)  NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT  NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)  RATED BREAKING CAPACITY AT 220/230 V	IP00  0  0  3  1150 A
DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)  NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT  NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)  RATED BREAKING CAPACITY AT 220/230 V  RATED BREAKING CAPACITY AT 380/400 V  RATED BREAKING	IP00  0  0  3  1150 A

HZ - MAX	
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	190 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	190 V
DROP-OUT VOLTAGE	AC operated: 0.6 - 0.25 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 - 1.15 V AC x Uc
POWER CONSUMPTION, PICK-UP, 50 HZ	180 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SAFE ISOLATION	690 V AC, Between coil and contacts, According to EN 61140 690 V AC, Between the contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 HZ	170 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
RESIDUAL CURRENT	1 mA (with actuation of A1 - A2 by the electronics with "0" signal)
SCREW SIZE	5 mm AF, Hexagon socket- head spanner, Terminal screw, Main cables M10, Terminal screw, Main cables
POWER CONSUMPTION, SEALING, 50 HZ	2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
POWER CONSUMPTION, SEALING, 60 HZ	3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz

	2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
TERMINAL CAPACITY (STRANDED)	2 x (16 - 70) mm², Main cables 1 x (16 - 95) mm², Main cables
TERMINAL CAPACITY (COPPER BAND)	2 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (10 - 95) mm², Main cables 2 x (10 - 70) mm², Main cables 1 x (0.75 - 1.5) mm² 2 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals
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 when tabletop-mounted, Halfsinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables, Spring-loaded terminals 2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables, Spring-loaded terminals
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14, Control circuit cables, Spring-loaded

	terminals Single 83/0, double 82/0, Main cables
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	180 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	14 Nm, Screw terminals, Main cables
TERMINAL CAPACITY (FLEXIBLE)	1 x (0.75 - 2.5) mm², Control circuit cables, Spring-loaded terminals 2 x (0.75 - 2.5) mm², Control circuit cables, Spring-loaded terminals
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)	1610 A
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	160 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	115 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	115 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	115 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	115 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	93 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	55 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	55 A

55 A
55 A
45 A
160 A
90 A
160 A
115 A
40 kW
55 kW
70 kW
17 kW
19 kW
28 kW
33 kW
35 kW
40 kW

V, 50 HZ	
RATED OPERATIONAL POWER (NEMA)	74.6 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RESISTANCE PER POLE	0.6 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	2.3 W
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
STRIPPING LENGTH (MAIN CABLE)	24 mm
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	33 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	28 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	41 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN	35 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) 65 kA, CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	30 kA, CB, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 350 A, max. CB, 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	250 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	250 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	250 A gG/gL
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	160 A (600V 60Hz 3phase, 347V 60Hz 1phase) 160 A (480V 60Hz 3phase, 277V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	690 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 115 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	30 HP, 200 V 60 Hz 3-ph, (UL/CSA) 104 A, 240 V 60 Hz 3-ph, (UL/CSA) 92 A, 200 V 60 Hz 3-ph, (UL/CSA) 99 A, 600 V 60 Hz 3-ph, (UL/CSA) 40 HP, 240 V 60 Hz 3-ph, (UL/CSA) 100 HP, 600 V 60 Hz 3-ph, (UL/CSA) 75 HP, 480 V 60 Hz 3-ph, (UL/CSA) 96 A, 480 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	84 A, FLA 600 V 60 Hz 3phase; (CSA) 84 A, FLA 480 V 60 Hz 3phase; (CSA) 540 A, LRA 480 V 60 Hz 3phase; (CSA) 540 A, LRA 600 V 60 Hz 3phase; (CSA)
SPECIAL PURPOSE	160 A, 600 V 60 Hz 3phase,

RATING OF RESISTANCE AIR HEATING  SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS  CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 60°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 - MAX		
RATING OF TUNGSTEN INCANDESCENT LAMPS  RATING OF TUNGSTEN 160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)  CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)  CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)  RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ  RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ  ACTUATING VOLTAGE AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT 690 V		(UL/CSA) 160 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
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  RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ  ACTUATING VOLTAGE RAT AC, 50 HZ - MIN AC, 50 HZ - MIN AC, 50 HZ - MIN AC, 60 HZ - MI	RATING OF TUNGSTEN	(UL/CSA) 160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
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 AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN	THERMAL CURRENT ITH	160 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 AT AC, 50 HZ - MIN  OPERATING VOLTAGE AT AC, 50 HZ - MAX  OPERATING VOLTAGE AT AC, 60 HZ - MIN  OPERATING VOLTAGE AT 690 V	THERMAL CURRENT ITH	142 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	130 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 690 V	POWER AT AC-3, 440 V, 50	75 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 690 V	POWER AT AC-3, 500 V, 50	85 kW
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 690 V	POWER AT AC-3, 690 V, 50	90 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	13.62.61.190 2.01.90,00
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		230 V
AC, 60 HZ - MIN  OPERATING VOLTAGE AT  690 V		690 V
690 V		230 V
		690 V

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	



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