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## Eaton 277818

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 22 kW, 48 V 50 Hz, AC operation, Screw terminals

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PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	277818
PRODUCT LENGTH/DEPTH	132.1 mm
PRODUCT HEIGHT	115 mm
PRODUCT WIDTH	55 mm
PRODUCT WEIGHT	0.872 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	IEC 60947-4-1 CSA Std. C22.2 No. 14-05 EN 60947-4-1 UL 508 VDE IEC/EN 60947 VDE 0660 CE CSA File No.: 012528 CSA Class No.: 2411-03, 3211-04 CSA UL File No.: E29096 IEC/EN 60947-4-1 UL Category Control No.: NLDX CSA-C22.2 No. 14-05 UL
CATALOG NOTES	Contacts according to EN 50012



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AMPERAGE RATING	50A
NUMBER OF POLES	Three-pole
VOLTAGE RATING	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.
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.

CHARACTERISTIC CURVE	eaton-contactors-switch- dilm-characteristic-curve- 002.eps
	eaton-contactors-switch- dilm-characteristic- curve.eps
DECLARATIONS OF CONFORMITY	eaton-contactor- declaration-of-conformity- uk251225en.pdf
MCAD MODEL	dil m40 65 22.dwg dil m40 65 22.stp
00000	<u>IL03407033Z</u>
000	eaton-contactors-contact- dilm-wiring-diagram- 003.eps
00	eaton-contactors-dilm- dimensions-002.eps

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.
FREQUENCY RATING	50 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
SMARTWIRE-DT  RATED IMPULSE WITHSTAND VOLTAGE	No
SMARTWIRE-DT  RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	No  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,
SMARTWIRE-DT  RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  UTILIZATION CATEGORY	No  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
SMARTWIRE-DT  RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  UTILIZATION CATEGORY  CONNECTION	No  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 Screw terminals
SMARTWIRE-DT  RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  UTILIZATION CATEGORY  CONNECTION FRAME SIZE AMBIENT OPERATING	No  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 Screw terminals FS3

(ENCLOSED) - MAX	
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	3 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	15 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	10 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	20 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	40 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	50 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	145 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	58 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	68 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	162 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	9.9 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	3.3 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)
ARCING TIME	10 ms
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
SCREWDRIVER SIZE	0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver
VOLTAGE TYPE	AC
DEGREE OF PROTECTION	IP00
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
OPERATING TEMPERATURE - MAX	60 °C
OPERATING TEMPERATURE - MIN	-25 °C
RATED BREAKING CAPACITY AT 220/230 V	500 A
RATED BREAKING CAPACITY AT 380/400 V	500 A
RATED BREAKING CAPACITY AT 500 V	500 A
RATED BREAKING CAPACITY AT 660/690 V	320 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	48 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	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	149 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SAFE ISOLATION	440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 HZ	178 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
SCREW SIZE	M6, Terminal screw, Main cables M3.5, Terminal screw, Control circuit cables
POWER CONSUMPTION, SEALING, 50 HZ	16 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
POWER CONSUMPTION, SEALING, 60 HZ	19 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
TERMINAL CAPACITY (STRANDED)	1 x (16 - 50) mm², Main cables 2 x (16 - 35) mm², Main cables
TERMINAL CAPACITY (COPPER BAND)	2 x (6 x 9 x 0.8) mm (Number of segments x width x thickness), Main cables
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (0.75 - 25) mm², Main cables 1 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 35) mm², Main cables 2 x (0.75 - 2.5) mm², Control circuit cables 5 g, N/C auxiliary contact,
JITOCK RESISTANCE	J g, IV/C auxilial y Collicact,

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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms 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 7 g, N/O auxiliary 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 1 x (0.75 - 16) mm², Main cables 1 x (0.75 - 16) mm		
TERMINAL CAPACITY (SOLID)  TERMINAL CAPACITY (SOLID)  TERMINAL CAPACITY (SOLID)  TERMINAL CAPACITY (SOLID/STRANDED AWG)  SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)  TIGHTENING TORQUE  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED INSULATION VOLTAGE (UI)  RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN  Circuit cables 1 x (0.75 - 16) mm², Main cables 2 x (0.75 - 16) mm², Main cables 2 x (0.75 - 16) mm², Main cables 3 80 A, Maximum motor rating (UL/CSA)  1.2 Nm, Screw terminals, Control circuit cables 3.3 Nm, Screw terminals, Main cables  O V  O V  TO V  TO V  TO A  TO A		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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 2-27, Halfsinusoidal shock 2-27
TERMINAL CAPACITY (SOLID/STRANDED AWG)  Single 14 - 1, double 14 - 2, Main cables  SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)  1.2 Nm, Screw terminals, Control circuit cables 3.3 Nm, Screw terminals, Main cables  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED INSULATION VOLTAGE (UI)  RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN  Single 14 - 1, double 14 - 2, Main cables  Single 14 - 1, double 14 - 2, Main cables  80 A, Maximum motor rating (UL/CSA)  0 V  0 V  690 V		circuit cables 1 x (0.75 - 16) mm², Main cables 2 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 16) mm², Main
(MAIN CONTACTS, GENERAL USE)  TIGHTENING TORQUE  1.2 Nm, Screw terminals, Control circuit cables 3.3 Nm, Screw terminals, Main cables  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED INSULATION VOLTAGE (UI)  RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN  80 A, Maximum motor rating (UL/CSA)  1.2 Nm, Screw terminals, Control circuit cables 3.3 Nm, Screw terminals, Main cables  0 V  0 V  700 A		cables Single 14 - 1, double 14 - 2,
TIGHTENING TORQUE  Control circuit cables 3.3 Nm, Screw terminals, Main cables  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED INSULATION VOLTAGE (UI)  RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN  CONTROL SUPPLY 0 V  690 V  700 A	(MAIN CONTACTS,	·
VOLTAGE (US) AT DC - 0 V MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - 0 V MIN  RATED INSULATION VOLTAGE (UI)  RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN  O V  700 A	TIGHTENING TORQUE	Control circuit cables 3.3 Nm, Screw terminals,
VOLTAGE (US) AT DC - 0 V MIN  RATED INSULATION VOLTAGE (UI)  RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN  O V  700 A	VOLTAGE (US) AT DC -	0 V
VOLTAGE (UI)  RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN  690 V  700 A	VOLTAGE (US) AT DC -	0 V
CAPACITY UP TO 690 V (COS PHI TO IEC/EN 700 A		690 V
	CAPACITY UP TO 690 V (COS PHI TO IEC/EN	700 A

RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	80 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	50 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	50 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	50 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	50 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	32 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	21 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	21 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	21 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	21 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	17 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	50 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	45 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V	60 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	50 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	17 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	22 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50	30 kW

HZ	
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	6 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	6.5 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	10 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	11 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	12 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	13 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	14 kW
RATED OPERATIONAL POWER (NEMA)	29.8 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RESISTANCE PER POLE	1.9 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	4.1 W
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
STRIPPING LENGTH (MAIN CABLE)	14 mm
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	18 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	12 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	13 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN	8 ms

SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	5 kA, 250 A max. fuse, SCCR (UL/CSA) 5 kA, 250 A max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	100 kA, 150 A CLASS J max. fuse, SCCR (UL/CSA) 65 kA, 100 A max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	100 kA, 150 A CLASS J max. fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	160 A gG/gL
SUITABLE FOR	Also motors with efficiency class IE3
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	80 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	80 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	63 A gG/gL
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	79 A (480V 60Hz 3phase, 277V 60Hz 1phase) 79 A (600V 60Hz 3phase, 347V 60Hz 1phase)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	42 A, 240 V 60 Hz 3-ph, (UL/CSA) 10 HP, 200 V 60 Hz 3-ph, (UL/CSA) 41 A, 600 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph, (UL/CSA) 32.2 A, 200 V 60 Hz 3-ph, (UL/CSA) 30 HP, 480 V 60 Hz 3-ph, (UL/CSA) 40 HP, 600 V 60 Hz 3-ph, (UL/CSA) 40 A, 480 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	79 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 79 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)

SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	74 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 74 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
OPERATING TEMPERATURE	-25° to 60°C
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	80 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	71 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	65 A
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	32 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	36 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	30 kW
ACTUATING VOLTAGE	48 V 50 Hz
ALTITUDE	Max. 2000 m
OPERATING VOLTAGE AT AC, 50 HZ - MIN	230 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	690 V
OPERATING VOLTAGE AT AC, 60 HZ - MIN	230 V
OPERATING VOLTAGE AT AC, 60 HZ - MAX	690 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
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