Specifications

Eaton 191748

Eaton Moeller® series DILMS Safety contactor, 380 V 400 V: 30 kW, 2 N/O, 2 NC, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals, with mirror contact.

General specification	ns
PRODUCT NAME	Eaton Moeller® series DILMS Safety contactor
CATALOG NUMBER	191748
MODEL CODE	DILMS65- 22(230V50HZ,240V60HZ)
EAN	4015081922611
PRODUCT LENGTH/DEPTH	147 mm
PRODUCT HEIGHT	115 mm
PRODUCT WIDTH	55 mm
PRODUCT WEIGHT	0.92 kg
CERTIFICATIONS	CE IEC/EN 60947 CSA File No.: 012528 UL 60947-4-1 CSA-C22.2 No. 60947-4-1- 14 UL File No.: E29096 CSA CSA Class No.: 2411-03, 3211-04 IEC/EN 60947-4-1 UL Category Control No.: NLDX UL VDE 0660
CATALOG NOTES	Contacts according to EN 50012
GLOBAL CATALOG	191748
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NUMBER OF POLES	Three-pole
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	Does not apply, since the entire switchgear needs to

Resources	
CATALOGS	Product Range Catalog Switching and protecting motors
	eaton-dilms-safety- contactor-flyer- fl034004en-en-us.pdf
	eaton-contactors-short- time-loading-dilm- characteristic-curve.eps
CHARACTERISTIC CURVE	eaton-contactors- component-dilm- characteristic-curve- 003.eps
	eaton-contactors-switch-dilm-characteristic-curve.eps
	eaton-contactors-switch-dilm-characteristic-curve-002.eps
DECLARATIONS OF	DA-DC-00004820.pdf
CONFORMITY	DA-DC-00004779.pdf
	eaton-contactors- mounting-dilm- dimensions.eps
	eaton-contactors- mounting-dilm- dimensions-002.eps
DRAWINGS	eaton-contactors-dilm- dimensions-012.eps
	eaton-contactors-dilm- dimensions-002.eps
	eaton-general-ie-ready- dilm-contactor- standards.eps
	eaton-contactors-contact- dilm-3d-drawing-003.eps
ECAD MODEL	ETN.191748.edz
INSTALLATION INSTRUCTIONS	<u>IL034062ZU</u>
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CS-dil_m40
	dil m40 65 22.stp

10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL FITTED WITH: Mirror contact OPERATING FREQUENCY POLLUTION DEGREE ACTIONAL ACTI: 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, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching CONNECTION AMBIENT OPERATING TEMPERATURE - MIN AMBIENT OPERATING TEMPERATURE - MIN AMBIENT OPERATING TEMPERATURE - MIN AMBIENT OPERATING TEMPERATING TEMPERATURE - MIN AMBIENT OPERATING TEMPERATING TEMPERATURE - MIN AMBIENT OPERATING TEMPERATURE - MIN TEMPERATURE - MIN TEMPERATURE - MIN TEMPERATURE - MIN TEMPERATURE -	ASSEMBLIES	be evaluated.
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TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN -25 °C	CONNECTION	Screw terminals
TEMPERATURE - MIN		60 °C
AMBIENT OPERATING 40 °C		-25 °C
	ANADIENT ODER ATIME	40 °C

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WIRING DIAGRAMS	2100SWI-125

TEMPERATURE (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	5 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	20 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	25 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	50 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	60 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	180 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	72 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	83 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	200 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	17.1 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	5.7 W
APPLICATION	Contactors for Motors

PRODUCT CATEGORY	Safety contactors
FRODUCI CATEGURY	Safety 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)	2
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
RATED BREAKING CAPACITY AT 220/230 V	650 A
RATED BREAKING CAPACITY AT 380/400 V	650 A
RATED BREAKING CAPACITY AT 500 V	650 A
RATED BREAKING CAPACITY AT 660/690 V	370 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	230 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	230 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	240 V
DROP-OUT VOLTAGE	AC operated: 0.6 - 0.3 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 - 1.1 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	M3.5, Terminal screw, Control circuit cables M6, Terminal screw, Main 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	4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 19 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
TERMINAL CAPACITY (STRANDED)	1 x (16 - 50) mm ² , Main cables 2 x (16 - 35) mm ² , Main cables
SWITCHING CAPACITY	1 A, 250 V DC, (UL/CSA)

(AUXILIARY CONTACTS, GENERAL USE)	15 A, 600 V AC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)
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)	1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 35) mm², Main cables 2 x (0.75 - 25) mm², Main cables
SHOCK RESISTANCE	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 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 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, Halfsinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, 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
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 16) mm², Main cables 2 x (0.75 - 16) mm², Main cables
TERMINAL CAPACITY	18 - 14, Control circuit

(SOLID/STRANDED AWG)	cables Single 14 - 1, double 14 - 2, Main cables
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	88 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	1.2 Nm, Screw terminals,Control circuit cables3.3 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)	910 A
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	98 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	37 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	25 A
RATED OPERATIONAL	25 A
RATED OPERATIONAL	25 A

CURRENT (IE) AT AC-4, 500 V	
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	20 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	72 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	65 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V	72 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	65 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	22 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	30 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	39 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	7.5 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	12 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	13 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	14 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	16 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	17 kW
RATED OPERATIONAL POWER (NEMA)	37 kW
RATED OPERATIONAL	690 V

VOLTAGE (UE) AT AC - MAX	
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)	250 A, max. Fuse, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	30/100 kA, Fuse, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA) 100 A, max. CB, SCCR (UL/CSA) 250/150 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	30/100 kA, Fuse, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA) 250/150 A, Class J, max. Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	250 A gG/gL

SUITABLE FOR class IE3 SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF BALLAST L 1995, (UL/CSA) 40 A, 480 V 60 Hz 3-ph, (UL/CSA) 300 A, LRA 480 V 60 Hz 3-ph, (UL/CSA) 40 A, 480 V 60 Hz 3-ph, (UL/CSA) 40 A, 480 V 60 Hz 3-ph, (UL/CSA) 40 HP, 600 V 60 Hz 3-ph, (UL/CSA) 40 HP, 600 V 60 Hz 3-ph, (UL/CSA) 41 A, 600 V 60 Hz 3-ph, (UL/CSA) 42 A, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)		Also motors with officionsy
PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING OF BALLAST LAMPS SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING OF DEFINITE PURPOSE RATING OF BALLAST LAMPS SPECIAL PURPOSE RATING OF AUXING SPECIAL PURPOSE RATING OF AUXING SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS SPACIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS 100 A gG/gL 125 A gG/gL 1	SUITABLE FOR	Also motors with efficiency class IE3
PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING OF ELEVATOR CONTROL SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS RATING OF TUNGSTEN INCANDESCENT LAMPS 125 A gG/gL 88 A (480V 60Hz 3phase, 277V 60Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)	PROTECTION RATING (TYPE 1 COORDINATION)	100 A gG/gL
PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING SPECIAL PURPOSE RATING OF ELEVATOR CONTROL SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS RATING OF TUNGSTEN INCANDESCENT LAMPS RATING OF HZ 3phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 1phase, (UL/CSA)	PROTECTION RATING (TYPE 2 COORDINATION)	125 A gG/gL
## SPECIAL PURPOSE RATING OF ELEVATOR CONTROL SPECIAL PURPOSE RATING 277V 60Hz 1phase) 88 A (600V 60Hz 3phase, 347V 60Hz 1phase) 65 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 390 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 40 A, 480 V 60 Hz 3-ph, (UL/CSA) 10 HP, 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) 41 A, 600 V 60 Hz 3-ph, (UL/CSA) 42 A, 240 V 60 Hz 3-ph, (UL/CSA) 42 A, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1p	PROTECTION RATING (TYPE 2 COORDINATION)	80 A gG/gL
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 390 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) SPECIAL PURPOSE RATING OF ELEVATOR CONTROL 40 A, 480 V 60 Hz 3-ph, (UL/CSA) 10 HP, 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) 32.2 A, 200 V 60 Hz 3-ph, (UL/CSA) 32.2 A, 200 V 60 Hz 3-ph, (UL/CSA) 32.2 A, 200 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)	RATING OF BALLAST ELECTRICAL DISCHARGE	277V 60Hz 1phase) 88 A (600V 60Hz 3phase,
CUL/CSA 10 HP, 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 HP, 600 V 60 Hz 3-ph, (UL/CSA) 41 A, 600 V 60 Hz 3-ph, (UL/CSA) 32.2 A, 200 V 60 Hz 3-ph, (UL/CSA) 42 A, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 480 V 60 Hz 3-phase, (UL/CSA) 88 A, 600 V 60 Hz 3-phase, (UL/CSA)	RATING OF DEFINITE	ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 390 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS 347 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, (UL/CSA) 88 A, 600 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)	RATING OF ELEVATOR	(UL/CSA) 10 HP, 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) 41 A, 600 V 60 Hz 3-ph, (UL/CSA) 32.2 A, 200 V 60 Hz 3-ph, (UL/CSA) 42 A, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph,
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS 277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)	RATING OF RESISTANCE	347 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase,
CONVENTIONAL 98 A	RATING OF TUNGSTEN	277 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
	CONVENTIONAL	98 A

THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN) **CONVENTIONAL** THERMAL CURRENT ITH 88 A AT 50°C (3-POLE, OPEN) **CONVENTIONAL** THERMAL CURRENT ITH 80 A AT 60°C (3-POLE, OPEN) **RATED OPERATIONAL POWER AT AC-3, 440 V, 50** 41 kW ΗZ **RATED OPERATIONAL POWER AT AC-3, 500 V, 50** 47 kW **RATED OPERATIONAL POWER AT AC-3, 690 V, 50** 35 kW ΗZ

ACTUATING VOLTAGE	230 V 50 Hz, 240 V 60 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:	
DATE:	



Eaton Corporation plc

Eaton House 30 Pembroke Road Dublin 4, Ireland Eaton.com

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