## Specifications



Photo is representative





## Eaton 277764

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 18.5 kW, 190 V 50 Hz, 220 V 60 Hz, AC operation, Screw terminals

General specifications		
PRODUCT NAME	Eaton Moeller® series DILM contactor	
CATALOG NUMBER	277764	
MODEL CODE	DILM40(190V50HZ,220V60HZ)	
EAN	4015082777647	
PRODUCT LENGTH/DEPTH	132.1 mm	
PRODUCT HEIGHT	115 mm	
PRODUCT WIDTH	55 mm	
PRODUCT WEIGHT	0.872 kg	
CERTIFICATIONS	CSA Certified UL Listed IEC 60947-4-1 EN 60947-4-1 CSA File No.: 012528 IEC/EN 60947 CSA Class No.: 2411-03, 3211-04 IEC/EN 60947-4-1 VDE 0660 UL File No.: E29096 CSA CSA-C22.2 No. 60947-4-1-14 UL 60947-4-1 UL Category Control No.: NLDX CE UL	
CATALOG NOTES	Contacts according to EN 50012	
GLOBAL CATALOG	277764	



Product specification	S
USED WITH	Can be combined with auxiliary contacts: DILM150-XHI(V), DILM1000-XHI(V)
AMPERAGE RATING	170A
HP RATING - MAX	3, 7.5/ 10, 15, 20, 40 hp (1/3PH @120, 240/208, 240, 480, 600 V)
NUMBER OF POLES	Three-pole
ТҮРЕ	Full voltage non-reversing medium contactor
VOLTAGE RATING	400 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.
RESISTANCE OF INSULATING MATERIALS	-

Resources	
	SmartWire-DT Catalog
CATALOGS	eaton-product-overview- for-machinery-catalogue- ca08103003zen-en-us.pdf
	Product Range Catalog Switching and protecting motors
	eaton-contactors- component-dilm- characteristic-curve- 003.eps
CHARACTERISTIC CURVE	eaton-contactors-switch-dilm-characteristic-curve-002.eps
	eaton-contactors-switch- dilm-characteristic- curve.eps
DECLARATIONS OF	DA-DC-00004817.pdf
CONFORMITY	DA-DC-00004782.pdf
	eaton-contactors- mounting-dilm- dimensions.eps
	eaton-contactors- mounting-dilm- dimensions-002.eps
	eaton-contactors-dilm- dimensions-012.eps
DRAWINGS	eaton-contactors-dilm- dimensions-002.eps
	eaton-general-ie-ready- dilm-contactor- standards.eps
	eaton-contactors-dilm-3d-drawing-011.eps
	eaton-contactors- mounting-dilm-3d- drawing.eps
ECAD MODEL	ETN.277764.edz
INSTALLATION INSTRUCTIONS	<u>IL03407033Z</u>
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CD-dil m40 72

DADIATION	
RADIATION	
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.
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	Is 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

	DA-CS-dil m40 72
SPECIFICATIONS AND DATASHEETS	<u>Eaton Specification Sheet - 277764</u>
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram- 003.eps

	during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces
CONNECTION	Screw terminals
FRAME SIZE	FS3
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	3 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	7.5 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	15 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	30 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	40 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	112 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	45 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	55 A

CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	125 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	6.6 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	2.2 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	Screw terminals
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
SCREWDRIVER SIZE  VOLTAGE TYPE	Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv
	Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver
VOLTAGE TYPE	Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver AC
VOLTAGE TYPE  DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY	Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver AC IP00
VOLTAGE TYPE  DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY	Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver AC IP00
VOLTAGE TYPE  DEGREE OF PROTECTION  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)  NUMBER OF CONTACTS (NORMALLY CLOSED) AS	Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver AC IP00 0
VOLTAGE TYPE  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	Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver AC IP00  0  0
VOLTAGE TYPE  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)  OPERATING	Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver AC IP00 0 0 3

RATED BREAKING CAPACITY AT 380/400 V	400 A
RATED BREAKING CAPACITY AT 500 V	400 A
RATED BREAKING CAPACITY AT 660/690 V	250 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	190 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	190 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	220 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	220 V
COIL VOLTAGE	190-220 Vac, 50/60 Hz
CONTINUOUS AMPERE RATING	63 A
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
OPERATION	Non-reversing
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 coil and contacts, According to EN 61140 440 V AC, Between the 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)	2 x (16 - 35) mm², Main cables 1 x (16 - 50) 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)	1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 25) mm², Main cables 2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 35) mm², Main cables
SHOCK RESISTANCE	7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, 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 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 when tabletop-mounted, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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) mm², Control circuit cables 1 x (0.75 - 4) mm², Control circuit cables 1 x (0.75 - 16) mm², Main cables 2 x (0.75 - 16) mm², Main cables
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14, Control circuit cables Single 14 - 1, double 14 - 2, Main cables
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	63 A, Maximum motor rating (UL/CSA)
POWER CONSUMPTION	18.5 kW
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	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)	560 A
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	60 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	40 A
RATED OPERATIONAL	25 A

CURRENT (IE) AT AC-3, 660 V, 690 V	
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	18 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	18 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	18 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	18 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	14 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	50 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	40 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	13.5 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	24 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	5 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	5.5 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	9 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	9.5 kW

RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	10 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	11 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	12 kW
RATED OPERATIONAL POWER (NEMA)	22 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)	10 kA, SCCR (UL/CSA) 250 A, max. Fuse, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	65 kA, CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 250/150 A, Class J, max. Fuse, SCCR (UL/CSA) 100 A, max. CB, SCCR

SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)  SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V  SUITABLE FOR ALLAST (TYPE 2 COORDINATION) AT 400 V  SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V  SPECIAL PURPOSE RATING OF BELEVATOR CONTROL  SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING OF RESISTANCE AIR HEATING OF RESISTANCE AIR HEATING OF RESISTANCE AIR HEATING OF HEAD AND AND AND AND AND AND AND AND AND A		
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)  SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V  SUITABLE FOR  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  SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V  SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS  SPECIAL PURPOSE RATING OF ELEVATOR CONTROL  SPECIAL PURPOSE RATING OF ELEVATOR CONTROL  SPECIAL PURPOSE RATING OF ELEVATOR CONTROL  SPECIAL PURPOSE RATING OF BALLAST 28 A, 240 V 60 Hz 3-ph, (UL/CSA) 30 Hp, 600 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 35 A, 200 V 60 Hz 3-ph, (UL/CSA) 35 Hp, 480 V 60 Hz 3-ph, (UL/CSA) 34 A, 480 V 60 Hz 3-ph, (UL/CSA) 35 Hp, 480 V 60 Hz 3-ph, (UL/CSA) 36 Hp, 480 V 60 Hz 3-ph, (UL/CSA) 37 PA, 480 V 60 Hz 3-ph, (UL/CSA) 37 PA, 480 V 60 Hz 3-ph, (UL/CSA) 37 PA, 600 V 60 Hz 3-ph, 600 V		(UL/CSA)
PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V  SUITABLE FOR  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 ELEVATOR CONTROL  SPECIAL PURPOSE RATING OF ELEVATOR CONTROL  SPECIAL PURPOSE RATING OF FLEVATOR CONTROL  SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  AISO MOTORS with efficiency class IE3  80 A gG/gL  63 A gG/gL  63 A gG/gL  64 A gG/gL  65 A gG/gL  65 A gG/gL  67 A (480V 60Hz 3phase, 277V 60Hz 1phase) (UL/CSA) 32 A (600V 60 Hz 3-ph, (UL/CSA) 25 A A, 200V 60 Hz 3-ph, (UL/CSA) 25 A A, 200V 60 Hz 3-ph, (UL/CSA) 34 A, 480 V 60 Hz 3-ph, (UL/CSA) 37 A, 600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 79 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 347 V 60 Hz 1phase, (UL/CSA)	RATING (HIGH FAULT AT	(UL/CSA) 250/150 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA)
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 BALLAST ELECTRICAL DISCHARGE (UL/CSA) 28 A, 240 V 60 Hz 3-ph, (UL/CSA) 30 HP, 600 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 25 HP, 480 V 60 Hz 3-ph, (UL/CSA) 25 HP, 480 V 60 Hz 3-ph, (UL/CSA) 34 A, 480 V 60 Hz 3-ph, (UL/CSA) 35 HP, 480 V 60 Hz 3-ph, (UL/CSA) 37 PA, 480 V 60 Hz 3-ph, (UL/CSA) 37 PA, 480 V 60 Hz 3-ph, (UL/CSA) 37 PA, 480 V 60 Hz 3-phse, (UL/CSA) 79 A, 600 V 60 Hz 3-phse, (UL/CSA)	PROTECTION RATING (TYPE 1 COORDINATION)	125 A gG/gL
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 ELEVATOR CONTROL  SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	SUITABLE FOR	•
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  PA (480V 60Hz 3phase, 277V 60Hz 1phase) 79 A (600V 60Hz 3phase, 347V 60Hz 1phase) 75 HP, 200 V 60 Hz 3-ph, (UL/CSA) 28 A, 240 V 60 Hz 3-ph, (UL/CSA) 30 HP, 600 V 60 Hz 3-ph, (UL/CSA) 31 O HP, 240 V 60 Hz 3-ph, (UL/CSA) 25 JA, 200 V 60 Hz 3-ph, (UL/CSA) 25 JB, 200 V 60 Hz 3-ph, (UL/CSA) 25 JB, 200 V 60 Hz 3-ph, (UL/CSA) 25 JB, 480 V 60 Hz 3-ph, (UL/CSA) 25 HP, 480 V 60 Hz 3-ph, (UL/CSA) 31 A, 480 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 33 A, 200 V 60 Hz 3-ph, (UL/CSA) 34 A, 480 V 60 Hz 3-ph, (UL/CSA) 37 A, 480 V 60 Hz 3-ph, (UL/CSA) 37 A, 480 V 60 Hz 3-ph, (UL/CSA) 37 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 34 A, 480 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 347 V 60 Hz 1phase, (UL/CSA)	PROTECTION RATING (TYPE 1 COORDINATION)	80 A gG/gL
## SPECIAL PURPOSE RATING OF ELEVATOR CONTROL  SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS  **SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS  **SPECIAL PURPOSE RATING OF ELEVATOR CONTROL**  SPECIAL PURPOSE RATING OF ELEVATOR CONTROL**  SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  **SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING**  SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  **SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING**  **SPE	PROTECTION RATING (TYPE 2 COORDINATION)	63 A gG/gL
## SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING    Control of the control of	PROTECTION RATING (TYPE 2 COORDINATION)	50 A gG/gL
(UL/CSA)  28 A, 240 V 60 Hz 3-ph, (UL/CSA)  30 HP, 600 V 60 Hz 3-ph, (UL/CSA)  32 A, 600 V 60 Hz 3-ph, (UL/CSA)  32 A, 600 V 60 Hz 3-ph, (UL/CSA)  10 HP, 240 V 60 Hz 3-ph, (UL/CSA)  25.3 A, 200 V 60 Hz 3-ph, (UL/CSA)  25 HP, 480 V 60 Hz 3-ph, (UL/CSA)  34 A, 480 V 60 Hz 3-ph, (UL/CSA)  37 A, 480 V 60 Hz 3-ph, (UL/CSA)  79 A, 600 V 60 Hz 3-ph, (UL/CSA)  79 A, 480 V 60 Hz 3-ph, (UL/CSA)  79 A, 480 V 60 Hz 3-ph, (UL/CSA)	RATING OF BALLAST ELECTRICAL DISCHARGE	277V 60Hz 1phase) 79 A (600V 60Hz 3phase,
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING  277 V 60 Hz 1phase, (UL/CSA) 79 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)	RATING OF ELEVATOR	(UL/CSA) 28 A, 240 V 60 Hz 3-ph, (UL/CSA) 30 HP, 600 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 10 HP, 240 V 60 Hz 3-ph, (UL/CSA) 25.3 A, 200 V 60 Hz 3-ph, (UL/CSA) 25 HP, 480 V 60 Hz 3-ph, (UL/CSA) 34 A, 480 V 60 Hz 3-ph,
<b>SPECIAL PURPOSE</b> 74 A, 600 V 60 Hz 3phase,	RATING OF RESISTANCE	277 V 60 Hz 1phase, (UL/CSA) 79 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,
	SPECIAL PURPOSE	74 A, 600 V 60 Hz 3phase,

**RATING OF TUNGSTEN** 347 V 60 Hz 1phase, **INCANDESCENT LAMPS** (UL/CSA) 74 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) **OPERATING** -25° to 60°C **TEMPERATURE CONVENTIONAL** THERMAL CURRENT ITH 60 A AT 40°C (3-POLE, OPEN) **CONVENTIONAL** THERMAL CURRENT ITH 57 A AT 50°C (3-POLE, OPEN) **CONVENTIONAL** THERMAL CURRENT ITH 50 A AT 60°C (3-POLE, OPEN) **RATED OPERATIONAL POWER AT AC-3, 440 V, 50** 25 kW **RATED OPERATIONAL POWER AT AC-3, 500 V, 50** 28 kW **RATED OPERATIONAL POWER AT AC-3, 690 V, 50** 23 kW **ACTUATING VOLTAGE** 190 V 50 Hz, 220 V 60 Hz **ALTITUDE** Max. 2000 m **OPERATING VOLTAGE AT** 230 V **AC, 50 HZ - MIN OPERATING VOLTAGE AT** 690 V **AC, 50 HZ - MAX OPERATING VOLTAGE AT** 230 V AC, 60 HZ - MIN **OPERATING VOLTAGE AT** 690 V **AC, 60 HZ - MAX PROJECT NAME: PROJECT NUMBER:** PREPARED BY:



DATE:

## **Eaton Corporation plc**

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