Specifications

Photo is representative

Eaton 277969

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 18.5 kW, 24 V 50/60 Hz, AC operation, Spring-loaded terminals

General specification	ns
PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	277969
MODEL CODE	DILMC40(24V50/60HZ)
EAN	4015082779696
PRODUCT LENGTH/DEPTH	132.1 mm
PRODUCT HEIGHT	115 mm
PRODUCT WIDTH	55 mm
PRODUCT WEIGHT	0.872 kg
CERTIFICATIONS	CSA Class No.: 2411-03, 3211-04 CE UL File No.: E29096 CSA CSA File No.: 012528 CSA-C22.2 No. 14-05 IEC/EN 60947-4-1 IEC/EN 60947 UL UL 508 UL Category Control No.: NLDX VDE 0660
CATALOG NOTES	Contacts according to EN 50012
GLOBAL CATALOG	277969
	-



ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Spring clamp connection
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	Does not apply, since the entire switchgear needs to

Resources	
	Product Range Catalog Switching and protecting motors
CATALOGS	SmartWire-DT Catalog
	eaton-product-overview- for-machinery-catalogue- ca08103003zen-en-us.pdf
	eaton-contactors-switch- dilm-characteristic- curve.eps
CHARACTERISTIC CURVE	eaton-contactors-switch-dilm-characteristic-curve-002.eps
	eaton-contactors- component-dilm- characteristic-curve- 003.eps
DECLARATIONS OF	DA-DC-00004817.pdf
CONFORMITY	DA-DC-00004782.pdf
	eaton-contactors-dilm- dimensions-002.eps
	eaton-contactors-
	mounting-dilm- dimensions-002.eps
	eaton-contactors-
	mounting-dilm-
	dimensions.eps
DRAWINGS	eaton-contactors-dilm- dimensions-012.eps
	eaton-contactors-dilm-3d-drawing-012.eps
	eaton-contactors- mounting-dilm-3d- drawing.eps
	eaton-general-ie-ready- dilm-contactor-
	standards.eps
ECAD MODEL	
ECAD MODEL INSTALLATION INSTRUCTIONS	standards.eps
INSTALLATION	standards.eps ETN.277969.edz

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	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is 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.
OPERATING FREQUENCY	5000 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-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces
CONNECTION	Spring-loaded terminals Screw terminals

	DA-CD-dil mc40 72
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram- 003.eps

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	Spring-cage terminals on auxiliary and control circuit terminals
ARCING TIME	10 ms
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
SCREWDRIVER SIZE	3.5 mm, Spring-loaded terminals, Control circuit cables 0.8 x 5.5/1 x 6 mm, Terminal screw, Main cables, Standard screwdriver 2, Terminal screw, Main cables, Pozidriv screwdriver
VOLTAGE TYPE	
	AC
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	IP00 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	IP00 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	IP00 0 0 3

RATED BREAKING CAPACITY AT 660/690 V	250 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	24 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	7,000,000 Operations (Coil 50/60 Hz) 10,000,000 Operations (AC operated)
PICK-UP VOLTAGE	0.8 - 1.1 V AC x Uc
POWER CONSUMPTION, PICK-UP, 50 HZ	168 VA, Dual-frequency coil in a cold state and 1.0 x Us 154 VA, Dual-frequency coil in a cold state and 1.0 x Us
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	168 VA, Dual-frequency coil in a cold state and 1.0 x Us 154 VA, Dual-frequency coil in a cold state and 1.0 x Us
SCREW SIZE	M6, Terminal screw, Main cables
POWER CONSUMPTION,	4.1 W, Dual-frequency coil
SEALING, 50 HZ	in a cold state and 1.0 x Us
POWER CONSUMPTION,	22 VA, Dual-frequency coil

in a cold state and 1.0 x Us, at 60 Hz 14 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 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us 1 x (16 - 50) mm², Main cables 2 x (16 - 35) mm², Main cables 2 x (0.75 - 25) mm², Main cables 2 x (0.75 - 25) mm², Main cables 2 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 1 x (0.75 - 35) mm², Main cables 1 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 10 g, N/O main 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, 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 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half- sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-10 mm², Main TERMINAL CAPACITY (SOLID)		
TERMINAL CAPACITY (STRANDED) Cables 2 x (16 - 35) mm², Main cables 2 x (6 x 9 x 0.8) mm (Number of segments x width x thickness), Main cables 2 x (0.75 - 25) mm², Main cables 2 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 1 x (0.75 - 35) mm², Main cables 1 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 1 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 10 g, N/O main 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, Half- sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, 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 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half- sinusoidal shock 10 ms 1 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half- sinusoidal shock 10 ms 1 x (0.75 - 16) mm², Main cables	SEALING, 60 HZ	Us, at 60 Hz 14 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
TERMINAL CAPACITY (COPPER BAND) (Number of segments x width x thickness), Main cables 2 x (0.75 - 25) mm², Main cables 2 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 1 x (0.75 - 35) mm², Main cables 1 x (0.75 - 35) mm², Main cables 1 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 10 g, N/O main 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, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, 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 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 1 x (0.75 - 16) mm², Main cables		cables 2 x (16 - 35) mm², Main
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE) TERRULE) Control circuit cables, Spring-loaded terminals 1 × (0.75 - 35) mm², Main cables 1 × (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 1 × (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 10 g, N/O main 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, Half- sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, 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 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half- sinusoidal shock 10 ms		(Number of segments x width x thickness), Main
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 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 10 g, N/O main 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 when tabletop-mounted, Halfsinusoidal shock 10 ms TERMINAL CAPACITY (SOLID) TERMINAL CAPACITY (SOLID)	(FLEXIBLE WITH	cables 2 x (0.75 - 1.5) mm², Control circuit cables, Spring-loaded terminals 1 x (0.75 - 35) mm², Main cables 1 x (0.75 - 1.5) mm², Control circuit cables,
(SOLID) cables	SHOCK RESISTANCE	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, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, 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 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-
		1 x (0.75 - 16) mm², Main cables

	cables 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
TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 14 - 1, double 14 - 2, Main cables 18 - 14, Control circuit cables, Spring-loaded terminals
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	63 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	3.3 Nm, Screw terminals, Main cables
TERMINAL CAPACITY (FLEXIBLE)	2 x (0.75 - 2.5) mm², Control circuit cables, Spring-loaded terminals 1 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)	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)	250 A, max. CB, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA) 250 A, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	250/150 A, Class J, max. Fuse, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA) 30/100 kA, 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 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 BALLAST SPECIAL PURPOSE		
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 400 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 PA (480V 60Hz 3phase, 277V 60Hz 1phase) 79 A (600V 60Hz 3-ph, (UL/CSA) 10 HP, 240 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) 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) 35 HP, 480 V 60 Hz 3-ph, (UL/CSA) 36 HP, 480 V 60 Hz 3-ph, (UL/CSA) 37 HP, 480 V 60 Hz 3-ph, (UL/CSA)		(UL/CSA)
PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SUITABLE FOR Also motors with efficiency 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 79 A (480V 60Hz 3phase, 277V 60Hz 1phase) 79 A (600V 60Hz 3phase, 347V 60Hz 1phase) 75 HP, 200 V 60 Hz 3-ph, (UL/CSA) 10 HP, 240 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) 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) 35 HP, 480 V 60 Hz 3-ph, (UL/CSA) 35 HP, 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 HP, 480 V 60 Hz 3-ph, (UL/CSA) 38 HP, 480 V 60 Hz 3-ph, (UL/CSA) 39 HP, 480 V 60 Hz 3-ph, (UL/CSA) 31 HP, 480 V 60 Hz 3-ph, (UL/CSA) 32 HP, 480 V 60 Hz 3-ph, (UL/CSA) 34 HP, 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 HP, 480 V 60 Hz 3-ph, (UL/CSA) 38 HP, 480 V 60 Hz 3-ph, (UL/CSA) 39 HP, 480 V 60 Hz 3-ph, (UL/CSA) 31 HP, 480 V 60 Hz 3-ph, (UL/CSA)	RATING (HIGH FAULT AT	Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) 250 A, max. CB, SCCR
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 PA (480V 60Hz 3phase, 277V 60Hz 1phase) 79 A (600V 60Hz 3phase, 347V 60Hz 1phase) 7.5 HP, 200 V 60 Hz 3-ph, (UL/CSA) 10 HP, 240 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) 32 A, 600 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 HP, 480 V 60 Hz 3-ph, (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 79 A (480V 60Hz 3phase, 277V 60Hz 1phase) 79 A (600V 60Hz 3phase, 347V 60Hz 1phase) 75 HP, 200 V 60 Hz 3-ph, (UL/CSA) 10 HP, 240 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) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 34 A, 480 V 60 Hz 3-ph, (UL/CSA) 34 A, 480 V 60 Hz 3-ph,	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 79 A (480V 60Hz 3phase, 277V 60Hz 1phase) 79 A (600V 60Hz 3phase, 347V 60Hz 1phase) 7.5 HP, 200 V 60 Hz 3-ph, (UL/CSA) 10 HP, 240 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) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 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 HP, 480 V 60 Hz 3-ph, (UL/CSA) 38 HP, 480 V 60 Hz 3-ph, (UL/CSA) 39 HP, 480 V 60 Hz 3-ph, (UL/CSA) 31 HP, 480 V 60 Hz 3-ph, (UL/CSA) 32 HP, 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 HP, 480 V 60 Hz 3-ph, (UL/CSA) 38 HP, 480 V 60 Hz 3-ph, (UL/CSA) 39 HP, 480 V 60 Hz 3-ph, (UL/CSA) 31 HP, 480 V 60 Hz 3-ph, (UL/CSA)	PROTECTION RATING (TYPE 1 COORDINATION)	80 A gG/gL
PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS 79 A (480V 60Hz 3phase, 277V 60Hz 1phase) 79 A (600V 60Hz 3phase, 347V 60Hz 1phase) 7.5 HP, 200 V 60 Hz 3-ph, (UL/CSA) 10 HP, 240 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) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 32 FP, 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 HP, 480 V 60 Hz 3-ph, (UL/CSA) 38 HP, 480 V 60 Hz 3-ph, (UL/CSA) 39 HP, 480 V 60 Hz 3-ph, (UL/CSA) 31 HP, 480 V 60 Hz 3-ph, (UL/CSA) 41 HZ 480 V 60 Hz 3-ph, (UL/CSA) 41 HZ 480 V 60 Hz 3-ph, (UL/CSA)	PROTECTION RATING (TYPE 2 COORDINATION)	63 A gG/gL
RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS 79 A (600V 60Hz 3phase, 347V 60Hz 1phase) 7.5 HP, 200 V 60 Hz 3-ph, (UL/CSA) 10 HP, 240 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) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3-ph, (UL/CSA) 32 HP, 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 HP, 480 V 60 Hz 3-ph, (UL/CSA) 38 HP, 480 V 60 Hz 3-ph, (UL/CSA) 39 HP, 480 V 60 Hz 3-ph, (UL/CSA) 31 HP, 480 V 60 Hz 3-ph, (UL/CSA) 41 HP AR A B B B B B B B B B B B B B B B B B	PROTECTION RATING (TYPE 2 COORDINATION)	50 A gG/gL
(UL/CSA) 10 HP, 240 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) 32 A, 600 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,	RATING OF BALLAST ELECTRICAL DISCHARGE	277V 60Hz 1phase) 79 A (600V 60Hz 3phase,
(UL/CSA) 25.3 A, 200 V 60 Hz 3-ph, (UL/CSA)	RATING OF ELEVATOR	(UL/CSA) 10 HP, 240 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) 32 A, 600 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) 25.3 A, 200 V 60 Hz 3-ph,
79 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)		277 V 60 Hz 1phase,
347 V 60 Hz 1phase,		

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) **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 ΗZ **RATED OPERATIONAL POWER AT AC-3, 500 V, 50** 28 kW ΗZ **RATED OPERATIONAL POWER AT AC-3, 690 V, 50** 23 kW ΗZ **ACTUATING VOLTAGE** 24 V 50/60 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

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

690 V



OPERATING VOLTAGE AT

AC, 60 HZ - MAX

Eaton Corporation plc

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