Specifications



Photo is representative





Eaton 276871

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 5.5 kW, 1 NC, 110 V 50/60 Hz, AC operation, Screw terminals

General specification	S
PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	276871
MODEL CODE	DILM12-01(110V50/60HZ)
EAN	4015082768713
PRODUCT LENGTH/DEPTH	75 mm
PRODUCT HEIGHT	68 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.24 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	CSA Std. C22.2 No. 14-05 EN 60947-4-1 IEC 60947-4-1 UL 508 VDE IEC/EN 60947 CSA-C22.2 No. 60947-4-1- 14 CSA Class No.: 2411-03, 3211-04 UL Category Control No.: NLDX VDE 0660 UL 60947-4-1 CE UL File No.: E29096 CSA UL IEC/EN 60947-4-1 CSA File No.: 012528
CATALOG NOTES	Contacts according to EN 50012
GLOBAL CATALOG	276871



Product specification	c
ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Screw connection
AMPERAGE RATING	12A
NUMBER OF POLES	Three-pole
VOLTAGE RATING	110 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.

Resources	
	SmartWire-DT Catalog
CATALOGS	Product Range Catalog Switching and protecting motors
	eaton-product-overview- for-machinery-catalogue- ca08103003zen-en-us.pdf
	eaton-contactors- component-dilm- characteristic-curve- 003.eps
CHARACTERISTIC CURVE	eaton-contactors-switch- dilm-characteristic- curve.eps
	eaton-contactors-switch-dilm-characteristic-curve-002.eps
DECLARATIONS OF	DA-DC-00004810.pdf
CONFORMITY	DA-DC-00004792.pdf
	eaton-contactors-module- dilm-dimensions-002.eps
	eaton-contactors-frame- dilm-dimensions.eps
	eaton-contactors-module- dilm-dimensions.eps
	eaton-contactors-
DRAWINGS	mounting-dilm- dimensions.eps
	eaton-contactors- mounting-dilm- dimensions-002.eps
	eaton-general-ie-ready- dilm-contactor- standards.eps
	eaton-contactors-dilm-3d-drawing-007.eps
ECAD MODEL	ETN.276871.edz
INSTALLATION INSTRUCTIONS	eaton-contactors-dila- dilm7-15-dilmp20- il03407013z.pdf
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CD-dil m7 15

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	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:	Mirror contact
FREQUENCY RATING	50-60 Hz
OPERATING FREQUENCY	9000 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-4: Normal AC induction motors: starting, plugging, reversing, inching AC-3: Normal AC induction motors: starting, switch off

	DA-CS-dil m7_15
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	2100SWI-117

	during running AC-1: Non-inductive or slightly inductive loads, resistance furnaces
CONNECTION	Screw terminals
FRAME SIZE	FS1
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	1 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	3 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	2 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	3 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	10 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	10 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	45 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	18 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	21 A
CONVENTIONAL THERMAL CURRENT ITH	50 A

OF MAIN CONTACTS (1- POLE, OPEN)	
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.3 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	2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
VOLTAGE TYPE	AC
DECDEE OF DDOTECTION	
DEGREE OF PROTECTION	IP20
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	1 1
NUMBER OF AUXILIARY CONTACTS (NORMALLY	
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY	1
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED	0
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NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT) OPERATING	1 0 1 0 3

RATED BREAKING CAPACITY AT 380/400 V	120 A
RATED BREAKING CAPACITY AT 500 V	100 A
RATED BREAKING CAPACITY AT 660/690 V	70 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	110 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	110 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	110 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	110 V
CONTACT CONFIGURATION	1 NC
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	According to EN 60047.1
IMMUNITY	According to EN 60947-1
LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated) 7,000,000 Operations (Coil 50/60 Hz)
	10,000,000 Operations (AC operated) 7,000,000 Operations (Coil
LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated) 7,000,000 Operations (Coil 50/60 Hz) 0.8 - 1.1 V AC x Uc 25 VA, Dual-frequency coil in a cold state and 1.0 x Us
LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION,	10,000,000 Operations (AC operated) 7,000,000 Operations (Coil 50/60 Hz) 0.8 - 1.1 V AC x Uc 25 VA, Dual-frequency coil
LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION,	10,000,000 Operations (AC operated) 7,000,000 Operations (Coil 50/60 Hz) 0.8 - 1.1 V AC x Uc 25 VA, Dual-frequency coil in a cold state and 1.0 x Us 27 VA, Dual-frequency coil
PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ	10,000,000 Operations (AC operated) 7,000,000 Operations (Coil 50/60 Hz) 0.8 - 1.1 V AC x Uc 25 VA, Dual-frequency coil in a cold state and 1.0 x Us 27 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to

	NO. T
SCREW SIZE	M3.5, Terminal screw
POWER CONSUMPTION, SEALING, 50 HZ	1.4 W, Dual-frequency coil in a cold state and 1.0 x Us
	1.2 W, Dual-frequency coil in a cold state and 1.0 x Us
POWER CONSUMPTION,	3.3 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us
SEALING, 60 HZ	4.2 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 1.2 W, Dual-frequency coil in a cold state and 1.0 x Us
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm ² 2 x (0.75 - 2.5) mm ² 2 x (0.75 - 2,5) mm ²
SHOCK RESISTANCE	10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 3.4 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletopmounted, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 5.7 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, Halfsinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 3.4 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-

	mounted, Half-sinusoidal shock 10 ms
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm ² 1 x (0.75 - 4) mm ²
TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 18 - 10, double 18 - 14
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	20 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	1.2 Nm, Screw 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)	144 A
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	22 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	12 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	12 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	12 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	10 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	7 A

RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	5 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	20 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	15 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V	20 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	12 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	4 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	5.5 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	2 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	2.2 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	3 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	3.4 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	3.6 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	3.5 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	4.4 kW
RATED OPERATIONAL POWER (NEMA)	7.4 kW

RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX 690 V RESISTANCE PER POLE 2.5 mΩ STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS 1.4 W STRIPPING LENGTH (CONTROL CIRCUIT CABLE) 10 mm STRIPPING LENGTH (MAIN CABLE) 21 ms SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY)- MAX 15 ms SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY)- MIN 18 ms SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY)- MAX 9 ms SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY)- MAX 9 ms SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 25 kA, SCCR (UL/CSA) 45 A, Class (UL/CSA) 45 A, Class (UL/CSA) 45 A, Class (UL/CSA) 45 A, Class RKS/ 45 A, Class (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA)		
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS STRIPPING LENGTH (CONTROL CIRCUIT CABLE) STRIPPING LENGTH (MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SUITABLE FOR 10 mm 10 mm 10 mm 10 mm 10 mm 11 ms 12 ms 15 ms 16 ms 17 ms 18 m	VOLTAGE (UE) AT AC -	690 V
DISSIPATION, NON-CURRENT-DEPENDENT PVS STRIPPING LENGTH (CONTROL CIRCUIT CABLE) STRIPPING LENGTH (MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 400 V) SUITABLE FOR Also motors with efficiency class lE3	RESISTANCE PER POLE	2.5 mΩ
(CONTROL CIRCUIT CABLE)10 mmSTRIPPING LENGTH (MAIN CABLE)10 mmSWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX21 msSWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN15 msSWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX18 msSWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN9 msSHORT-CIRCUIT CURRENT RATING (BASIC RATING)5 kA, SCCR (UL/CSA) 45 A, max. Fuse, SCCR (UL/CSA) 60 A, max. CB, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)30/100 kA, Fuse, SCCR (UL/CSA) 25 A, Class RK5/45 A, Class J, max. Fuse, SCCR (UL/CSA) 25 A, Class RK5/45 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA)SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V35 A gG/gLSUITABLE FORAlso motors with efficiency class IE3	DISSIPATION, NON- CURRENT-DEPENDENT	1.4 W
(MAIN CABLE)10 mmSWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX21 msSWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN15 msSWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX18 msSWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX9 msSHORT-CIRCUIT CURRENT RATING (BASIC RATING)5 kA, SCCR (UL/CSA) 45 A, max. Fuse, SCCR (UL/CSA) 45 A, max. Fuse, SCCR (UL/CSA) 45 A, max. CB, SCCR (UL/CSA) 45 A, max. Fuse, SCCR (UL/CSA) 45 A, class SLS A, Class RK5/ 45 A Class J, max. Fuse, SCCR (UL/CSA) 25 A, Class RK5/ 45 A Class J, max. Fuse, SCCR (UL/CSA) 25 A, Class RK5/45 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SC	(CONTROL CIRCUIT	10 mm
OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V Also motors with efficiency class IE3		10 mm
OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT) 600 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT) 600 V) ALSO MOTORS WITH Efficiency class IE3	OPERATED, MAKE CONTACTS, CLOSING	21 ms
OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SUITABLE FOR 18 ms 18 ms	OPERATED, MAKE CONTACTS, CLOSING	15 ms
OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SUITABLE FOR SHORT-CIRCUIT PROTECTION CORDINATION AT 400 V Also motors with efficiency class IE3	OPERATED, MAKE CONTACTS, OPENING	18 ms
SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SUITABLE FOR 45 A, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 25 A, Class RK5/45 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) Also motors with efficiency class IE3	OPERATED, MAKE CONTACTS, OPENING	9 ms
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SUITABLE FOR (UL/CSA) 25 A, Class RK5/45 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 35 A gG/gL Also motors with efficiency class IE3		45 A, max. Fuse, SCCR (UL/CSA) 60 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 J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 35 A gG/gL Also motors with efficiency class IE3	RATING (HIGH FAULT AT	(UL/CSA) 25 A, Class RK5/ 45 A Class J, max. Fuse, SCCR
PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SUITABLE FOR Also motors with efficiency class IE3	RATING (HIGH FAULT AT	J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR
class IE3	PROTECTION RATING (TYPE 1 COORDINATION)	35 A gG/gL
SHORT-CIRCUIT 25 A gG/gL	SUITABLE FOR	-
	SHORT-CIRCUIT	25 A gG/gL

20 A gG/gL
20 A gG/gL
20 A (480V 60Hz 3phase, 277V 60Hz 1phase) 20 A (600V 60Hz 3phase, 347V 60Hz 1phase)
72 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 12 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
2 HP, 200 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 600 V 60 Hz 3-ph, (UL/CSA) 2 HP, 240 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 480 V 60 Hz 3-ph, (UL/CSA) 11 A, 480 V 60 Hz 3-ph, (UL/CSA) 6.8 A, 240 V 60 Hz 3-ph, (UL/CSA) 9 A, 600 V 60 Hz 3-ph, (UL/CSA) 7.8 A, 200 V 60 Hz 3-ph, (UL/CSA)
60 A, LRA 600 V 60 Hz 3phase; (CSA) 60 A, LRA 480 V 60 Hz 3phase; (CSA) 10 A, FLA 480 V 60 Hz 3phase; (CSA)
10 A, FLA 600 V 60 Hz 3phase; (CSA)

INCANDESCENT LAMPS	(UL/CSA) 14 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
OPERATING TEMPERATURE	-25° to 60°C
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	22 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	21 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	20 A
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	7.5 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	6.5 kW
ACTUATING VOLTAGE	110 V 50/60 Hz
ALTITUDE	Max. 2000 m
OPERATING VOLTAGE AT AC, 50 HZ - MIN	24 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	690 V
OPERATING VOLTAGE AT AC, 60 HZ - MIN	24 V
OPERATING VOLTAGE AT AC, 60 HZ - MAX	690 V
PROJECT NAME:	



Eaton Corporation plc

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