Specifications



Photo is representative





Eaton 239590

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 75 kW, RAC 500: 480 - 500 V 50/60 Hz, AC operation, Screw terminals

General specificatio	ns
PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	239590
MODEL CODE	DILM150(RAC500)
EAN	4015082395902
PRODUCT LENGTH/DEPTH	160 mm
PRODUCT HEIGHT	170 mm
PRODUCT WIDTH	90 mm
PRODUCT WEIGHT	2.25 kg
CERTIFICATIONS	CSA IEC/EN 60947-4-1 UL File No.: E29096 UL IEC/EN 60947 CSA-C22.2 No. 60947-4-1- 14 UL Category Control No.: NLDX CSA File No.: 012528 CE VDE 0660 CSA Class No.: 2411-03, 3211-04 UL 60947-4-1
CATALOG NOTES	Contacts according to EN 50012
GLOBAL CATALOG	239590



switchgear must be observed. 10.12 ELECTROMAGNETIC COMPATIBILITY 10.13 MECHANICAL FUNCTION 10.2.2 CORROSION Meets the product standard's requirements. 10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES 10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT 10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION 10.2.5 LIFTING Does not apply, since the entire switchgear needs to be evaluated. 10.2.6 MECHANICAL IMPACT 10.2.7 INSCRIPTIONS LIS the panel builder's responsibility. The specifications for the switchgear needs to be evaluated. Is the panel builder's responsibility. The specifications for the switchgear needs to be evaluated. Is the panel builder's responsibility. The specifications for the switchgear needs to be evaluated. Meets the product standard's requirements.	Product specifications	
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	10.2.7 INSCRIPTIONS	•

Resources	
	SmartWire-DT Catalog
CATALOGS	Product Range Catalog Switching and protecting motors
	eaton-product-overview- for-machinery-catalogue- ca08103003zen-en-us.pdf
	eaton-contactors-switch-dilm-characteristic-curve-002.eps
CHARACTERISTIC CURVE	eaton-contactors- component-dilm- characteristic-curve- 003.eps
CHARACTERISTIC CURVE	eaton-contactors-switch- dilm-characteristic- curve.eps
	eaton-contactors-short- time-loading-dilm- characteristic-curve- 002.eps
DECLARATIONS OF CONFORMITY	DA-DC-00004818.pdf
	DA-DC-00004818.pdf DA-DC-00004781.pdf
	DA-DC-00004781.pdf eaton-contactors-dilm-dimensions-003.eps eaton-contactors-dilm-
	DA-DC-00004781.pdf eaton-contactors-dilm-dimensions-003.eps
	DA-DC-00004781.pdf eaton-contactors-dilm-dimensions-003.eps eaton-contactors-dilm-dimensions-011.eps eaton-contactors-mounting-dilm-
CONFORMITY	DA-DC-00004781.pdf eaton-contactors-dilm- dimensions-003.eps eaton-contactors-dilm- dimensions-011.eps eaton-contactors- mounting-dilm- dimensions.eps eaton-contactors- mounting-dilm- dimensions.eps
CONFORMITY	DA-DC-00004781.pdf eaton-contactors-dilm- dimensions-003.eps eaton-contactors-dilm- dimensions-011.eps eaton-contactors- mounting-dilm- dimensions.eps eaton-contactors- mounting-dilm- dimensions-002.eps eaton-contactors-dilm-3d-
CONFORMITY	pa-decontactors-dilm-dimensions-003.eps eaton-contactors-dilm-dimensions-011.eps eaton-contactors-mounting-dilm-dimensions.eps eaton-contactors-mounting-dilm-dimensions-002.eps eaton-contactors-dilm-dimensions-002.eps eaton-contactors-dilm-3d-drawing-013.eps eaton-general-ie-ready-dilm-contactor-
CONFORMITY	pa-decontactors-dilm-dimensions-003.eps eaton-contactors-dilm-dimensions-011.eps eaton-contactors-dilm-dimensions-011.eps eaton-contactors-mounting-dilm-dimensions.eps eaton-contactors-mounting-dilm-dimensions-002.eps eaton-contactors-dilm-3d-drawing-013.eps eaton-general-ie-ready-dilm-contactor-standards.eps eaton-contactors-dilm-3d-eaton-contactors-dilm-ad-eaton-cont

ASSEMBLIES	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	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:	Suppressor circuit in actuating electronics
OPERATING FREQUENCY	3600 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 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	FS4
AMBIENT OPERATING	60 °C

INSTALLATION INSTRUCTIONS	eaton-dil-contactors- instruction-leaflet- il03407039z.pdf
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CD-dil m80 170 DA-CS-dil m80 170
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram- 003.eps

TEMPERATURE - MAX	
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	10 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	50 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	30 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	60 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	125 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	125 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	360 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	144 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	170 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	400 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	32.1 W
HEAT DISSIPATION CAPACITY PDISS	0 W

HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	10.7 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	15 ms
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
SCREWDRIVER SIZE	2, Terminal screw, Control circuit cables, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Control circuit cables, Standard 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
RATED BREAKING CAPACITY AT 220/230 V	1500 A
RATED BREAKING CAPACITY AT 380/400 V	1500 A
RATED BREAKING CAPACITY AT 500 V	1500 A
RATED BREAKING CAPACITY AT 660/690 V	1200 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	500 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	480 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	500 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	480 V
DROP-OUT VOLTAGE	AC operated: 0.6 - 0.25 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 - 1.15 V AC x Uc
POWER CONSUMPTION, PICK-UP, 50 HZ	180 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SAFE ISOLATION	690 V AC, Between coil and contacts, According to EN 61140 690 V AC, Between the contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 HZ	170 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
RESIDUAL CURRENT	1 mA (with actuation of A1 - A2 by the electronics with "0" signal)
SCREW SIZE	M10, Terminal screw, Main cables 5 mm AF, Hexagon sockethead spanner, Terminal screw, Main cables M3.5, Terminal screw, Control circuit cables
POWER CONSUMPTION, SEALING, 50 HZ	3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
POWER CONSUMPTION, SEALING, 60 HZ	2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x

	Us, at 60 Hz
TERMINAL CAPACITY (STRANDED)	2 x (16 - 70) mm², Main cables 1 x (16 - 95) mm², Main cables
TERMINAL CAPACITY (COPPER BAND)	2 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 2.5) mm², Control circuit cables 1 x (10 - 95) mm², Main cables 2 x (10 - 70) mm², Main cables
SHOCK RESISTANCE	10 g, N/O main 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 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 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, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 4) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables
TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 83/0, double 82/0, Main cables 18 - 14, Control circuit cables
SWITCHING CAPACITY (MAIN CONTACTS,	225 A, Maximum motor rating (UL/CSA)

GENERAL USE)	
TIGHTENING TORQUE	14 Nm, Screw terminals, Main cables 1.2 Nm, Screw terminals, Control circuit 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)	2100 A
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	190 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	150 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	150 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	150 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	150 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	100 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	65 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	50 A

RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	160 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	90 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V	160 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	150 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	52 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	75 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	91 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	20 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	22 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	33 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	39 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	41 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	47 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	48 kW
RATED OPERATIONAL POWER (NEMA)	93 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RESISTANCE PER POLE	0.6 mΩ
STATIC HEAT DISSIPATION, NON-	2.3 W

RIPPING LENGTH DNTROL CIRCUIT BLE) RIPPING LENGTH AIN CABLE) RIPPING LENGTH AIN CABLE RIPPING LENGTH AIN CABL		
INTROL CIRCUIT BLE) RIPPING LENGTH AIN CABLE) RIPPING LENGTH AIN CABLE RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, CLOSING LAY) - MIN RITCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MAX RITCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MIN RIPPING LENGTH AIN CABLE RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, OPENING LAY) - MIN RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, OPENING LAY) - MIN RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, OPENING LAY) - MIN RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, OPENING LAY) - MIN RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, OPENING LAY) - MIN RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, OPENING LAY) - MIN RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, OPENING LAY) - MIN RIPPING LENGTH AIN CABLE REATED, MAKE NTACTS, CLOSING AIN CABLE	CURRENT-DEPENDENT PVS	
AIN CABLE) AITCHING TIME (AC ERATED, MAKE NTACTS, CLOSING LAY) - MAX AITCHING TIME (AC ERATED, MAKE NTACTS, CLOSING LAY) - MIN AITCHING TIME (AC ERATED, MAKE NTACTS, CLOSING LAY) - MIN AITCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MAX AITCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MIN ORT-CIRCUIT CURRENT TING (BASIC RATING) ORT-CIRCUIT CURRENT TING (HIGH FAULT AT DOV) AUX AUX AUX AUX AUX AUX AUX AU	STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
ERATED, MAKE NTACTS, CLOSING LAY) - MAX ITTCHING TIME (AC ERATED, MAKE NTACTS, CLOSING LAY) - MIN ITTCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MAX ITTCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MAX ITTCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MIN ORT-CIRCUIT CURRENT TING (BASIC RATING) ORT-CIRCUIT CURRENT TING (HIGH FAULT AT OV) Also motors with efficiency class IE3	STRIPPING LENGTH (MAIN CABLE)	24 mm
ERATED, MAKE NTACTS, CLOSING LAY) - MIN TITCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MAX TITCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MIN ORT-CIRCUIT CURRENT TING (BASIC RATING) ORT-CIRCUIT CURRENT TING (HIGH FAULT AT D V) AS MS 250 A, max. CB, SCCR (UL/CSA) 300/100 kA, Fuse, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 300/600 A, Class J, max. Fuse, SCCR (UL/CSA) 300/600 A, Class J, max. Fuse, SCCR (UL/CSA) 300/600 A, Class J, max. Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) AS MA CB, SCCR (UL/CSA) AS MA CB, SCCR (UL/CSA) ORT-CIRCUIT OTECTION RATING TYPE 1 COORDINATION) 400 V Also motors with efficiency class IE3	SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	33 ms
ERATED, MAKE NTACTS, OPENING LAY) - MAX ITCHING TIME (AC ERATED, MAKE NTACTS, OPENING LAY) - MIN ORT-CIRCUIT CURRENT TING (BASIC RATING) ORT-CIRCUIT CURRENT TING (HIGH FAULT AT OV) ORT-CIRCUIT OTECTION RATING OPE 1 COORDINATION) 400 V Also motors with efficiency class IE3	SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	28 ms
TING (HIGH FAULT AT TING (SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	41 ms
ORT-CIRCUIT CURRENT TING (BASIC RATING) ORT-CIRCUIT CURRENT (UL/CSA) ORT-CIRCUIT CURRENT TING (HIGH FAULT AT O'V) ORT-CIRCUIT OTECTION RATING (PE 1 COORDINATION) Also motors with efficiency class IE3	SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN	35 ms
ORT-CIRCUIT CURRENT TING (HIGH FAULT AT OV) ORT-CIRCUIT CURRENT OV) ORT-CIRCUIT CURRENT TING (HIGH FAULT AT OV) ORT-CIRCUIT CURRENT TING (HIGH FAULT AT OV) ORT-CIRCUIT CURRENT TING (HIGH FAULT AT OV) ORT-CIRCUIT OTECTION RATING (PE 1 COORDINATION) 400 V ITABLE FOR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 300/600 A, Class J, max. Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) 250 A gG/gL Also motors with efficiency class IE3	SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	(UL/CSA) 10 kA, SCCR (UL/CSA) 600 A, max. Fuse, SCCR
ORT-CIRCUIT CURRENT TING (HIGH FAULT AT O V) ORT-CIRCUIT OTECTION RATING (PE 1 COORDINATION) 400 V ITABLE FOR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 300/600 A, Class J, max. Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) 250 A gG/gL Also motors with efficiency class IE3	SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	(UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA) 250 A, max. CB, SCCR
OTECTION RATING (PE 1 COORDINATION) 400 V ITABLE FOR Also motors with efficiency class IE3	SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	(UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 300/600 A, Class J, max. Fuse, SCCR (UL/CSA)
class IE3	SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	250 A gG/gL
ORT-CIRCUIT	SUITABLE FOR	•
OTECTION RATING 'PE 1 COORDINATION) 250 A gG/gL	SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	250 A gG/gL

SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	250 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	250 A gG/gL
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	160 A (480V 60Hz 3phase, 277V 60Hz 1phase) 160 A (600V 60Hz 3phase, 347V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	150 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 900 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	30 HP, 200 V 60 Hz 3-ph, (UL/CSA) 75 HP, 480 V 60 Hz 3-ph, (UL/CSA) 104 A, 240 V 60 Hz 3-ph, (UL/CSA) 99 A, 600 V 60 Hz 3-ph, (UL/CSA) 100 HP, 600 V 60 Hz 3-ph, (UL/CSA) 40 HP, 240 V 60 Hz 3-ph, (UL/CSA) 96 A, 480 V 60 Hz 3-ph, (UL/CSA) 92 A, 200 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	90 A, FLA 600 V 60 Hz 3phase; (CSA) 90 A, FLA 480 V 60 Hz 3phase; (CSA) 540 A, LRA 600 V 60 Hz 3phase; (CSA) 540 A, LRA 480 V 60 Hz 3phase; (CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	160 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	160 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)

CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	190 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	180 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	160 A
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	95 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	110 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	96 kW
ACTUATING VOLTAGE	RAC 500: 480 - 500 V 50/60 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

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