Specifications

Photo is representative

Eaton 276678

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 4 kW, 1 N/O, 48 V 50 Hz, AC operation, Screw terminals

General specification	S
PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	276678
MODEL CODE	DILM9-10(48V50HZ)
EAN	4015082766788
PRODUCT LENGTH/DEPTH	75 mm
PRODUCT HEIGHT	68 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.24 kg
CERTIFICATIONS	IEC/EN 60947-4-1 UL Category Control No.: NLDX CSA Class No.: 2411-03, 3211-04 IEC/EN 60947 UL 508 CE UL File No.: E29096 VDE 0660 CSA File No.: 012528 CSA-C22.2 No. 14-05 UL CSA VDE
CATALOG NOTES	Contacts according to EN 50012
GLOBAL CATALOG	276678



Product specifications

ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Screw 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 IMPACT	Does not apply, since the entire switchgear needs to be evaluated.

Resources

Product Range Catalog Switching and protecting motors

SmartWire-DT Catalog

CATALOGS

	<u>eaton-product-overview-</u> <u>for-machinery-catalogue-</u> <u>ca08103003zen-en-us.pdf</u>
	<u>eaton-contactors-switch-</u> <u>dilm-characteristic-curve-</u> <u>002.eps</u>
CHARACTERISTIC CURVE	<u>eaton-contactors-switch-</u> <u>dilm-characteristic-</u> <u>curve.eps</u>
	<u>eaton-contactors-</u> <u>component-dilm-</u> <u>characteristic-curve-</u> <u>003.eps</u>
DECLARATIONS OF	DA-DC-00004810.pdf
CONFORMITY	DA-DC-00004792.pdf
	eaton-contactors- mounting-dilm- dimensions.eps eaton-contactors- mounting-dilm- dimensions-002.eps
DRAWINGS	<u>eaton-contactors-module-</u> <u>dilm-dimensions.eps</u>
	<u>eaton-contactors-module-</u> <u>dilm-dimensions-002.eps</u>
	<u>eaton-contactors-frame-</u> <u>dilm-dimensions.eps</u>
	<u>eaton-general-ie-ready-</u> <u>dilm-contactor-</u> <u>standards.eps</u>
	eaton-contactors-dilm-3d-
	drawing-007.eps
ECAD MODEL	drawing-007.eps ETN.276678.edz
ECAD MODEL INSTALLATION INSTRUCTIONS	
INSTALLATION	ETN.276678.edz eaton-contactors-dila- dilm7-15-dilmp20-

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.
OPERATING FREQUENCY	9000 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-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads,
	resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running
CONNECTION	AC-3: Normal AC induction motors: starting, switch off
	AC-3: Normal AC induction motors: starting, switch off during running

	DA-CD-dil m7_15
SYSTEM OVERVIEW	<u>eaton-contactors-dilm-</u> <u>contactor-system-</u> <u>overview.eps</u>
WIRING DIAGRAMS	<u>eaton-contactors-contact-</u> <u>dilm-wiring-diagram.eps</u>

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	0.5 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	1.5 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	5 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	7.5 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 OF MAIN CONTACTS (1- POLE, OPEN)	50 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W

HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.2 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)
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
VOLTAGE TYPE	AC
DEGREE OF PROTECTION	IP20
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
RATED BREAKING CAPACITY AT 220/230 V	90 A
RATED BREAKING CAPACITY AT 380/400 V	90 A
RATED BREAKING CAPACITY AT 500 V	70 A
RATED BREAKING CAPACITY AT 660/690 V	50 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50	48 V

HZ - MIN	
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 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	10,000,000 Operations (AC operated)
PICK-UP VOLTAGE	0.8 - 1.1 V AC x Uc
POWER CONSUMPTION, PICK-UP, 50 HZ	24 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SAFE ISOLATION	400 V AC, Between coil and contacts, According to EN 61140 400 V AC, Between the contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 HZ	30 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
SCREW SIZE	M3.5, Terminal screw
POWER CONSUMPTION, SEALING, 50 HZ	3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm² 2 x (0.75 - 2.5) mm²
SHOCK RESISTANCE	10 g, N/O main contact, Mechanical, according to

	IEC/EN 60068-2-27, Half- sinusoidal 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
	5 g, N/C auxiliary contact,
	Mechanical, according to
	IEC/EN 60068-2-27, Half-
	sinusoidal shock 10 ms
	5.7 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, Half-
	sinusoidal shock 10 ms
	3.4 g, N/C auxiliary
	• •
	contact, Mechanical,
	according to IEC/EN
	60068-2-27 when tabletop-
	mounted, Half-sinusoidal shock 10 ms
TERMINAL CAPACITY	2 x (0.75 - 2.5) mm ²
(SOLID)	1 x (0.75 - 4) mm ²
TERMINAL CAPACITY	Single 18 - 10, double 18 -
(SOLID/STRANDED AWG)	14
SWITCHING CAPACITY	20 A Maximum mater
(MAIN CONTACTS,	20 A, Maximum motor
GENERAL USE)	rating (UL/CSA)
TIGHTENING TORQUE	1.2 Nm, Screw terminals
······································	
RATED CONTROL SUPPLY	
RATED CONTROL SUPPLY	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC -	
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V 0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION	0 V 0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI)	0 V 0 V 690 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI) RATED MAKING	0 V 0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI) RATED MAKING CAPACITY UP TO 690 V	0 V 0 V 690 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI) RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN	0 V 0 V 690 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI) RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)	0 V 0 V 690 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI) RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947) RATED OPERATIONAL	0 V 0 V 690 V 112 A
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI) RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947) RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	0 V 0 V 690 V 112 A
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI) RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947) RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V RATED OPERATIONAL	0 V 0 V 690 V 112 A 22 A
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN RATED INSULATION VOLTAGE (UI) RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947) RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	0 V 0 V 690 V 112 A

RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V9 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V9 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V7 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V5 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 20 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 A	CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V9 ÅRATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V9 ÅRATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V7 ÅRATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V5 ÅRATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ÅRATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 Å	
CURRENT (IE) AT AC-3, 440 V9 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V7 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V5 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 A	CURRENT (IE) AT AC-3, 440 V9 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V7 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V5 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 A	
CURRENT (IE) AT AC-3, 500 V7 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V5 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 A	CURRENT (IE) AT AC-3, 500 V7 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V5 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 A	
CURRENT (IE) AT AC-3, 660 V, 690 V5 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 5 A6 A	CURRENT (IE) AT AC-3, 660 V, 690 V5 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 A	
CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V5 A	CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V 6 A RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V 6 A	
CURRENT (IE) AT AC-4, 400 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V5 A	CURRENT (IE) AT AC-4, 6 A 400 V	
CURRENT (IE) AT AC-4, 440 V6 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V5 A	RATED OPERATIONAL	
CURRENT (IE) AT AC-4, 5 A 500 V		
RATED OPERATIONAL	CURRENT (IE) AT AC-4, 5 A	
CURRENT (IE) AT AC-4, 4.5 A 660 V, 690 V		A
RATED OPERATIONALCURRENT (IE) AT DC-1,20 A110 V	RATED OPERATIONAL	
RATED OPERATIONALCURRENT (IE) AT DC-1,15 A220 V		
RATED OPERATIONALCURRENT (IE) AT DC-1, 6020 AV	110 VRATED OPERATIONALCURRENT (IE) AT DC-1,15 A	
RATED OPERATIONALCURRENT FOR SPECIFIED9 AHEAT DISSIPATION (IN)	110 VRATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V15 ARATED OPERATIONAL CURRENT (IE) AT DC-1, 6020 A	
RATED OPERATIONAL	110 VRATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V15 ARATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V20 ARATED OPERATIONAL CURRENT FOR SPECIFIED9 A	
POWER AT AC-3, 240 V, 50 3 kW HZ	110 VRATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V15 ARATED OPERATIONAL CURRENT (IE) AT DC-1, 60 	
	110 VRATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V15 ARATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V20 ARATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)9 ARATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ3 kWRATED OPERATIONAL POWER AT AC-3, 380/4004 kW	
HZ RATED OPERATIONAL POWER AT AC-3, 380/400 4 kW	110 VRATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V15 ÅRATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V20 ÅRATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)9 ÅRATED OPERATIONAL 	

V, 50 HZ	
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	1.6 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	2.5 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	2.8 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	3 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	2.8 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	3.6 kW
RATED OPERATIONAL POWER (NEMA)	3.7 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)	10 mm
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	21 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	15 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	18 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN	9 ms

SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	45 A, max. Fuse, SCCR (UL/CSA) 60 A, max. CB, SCCR (UL/CSA) 5 kA, 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) 25 A, Class RK5/ 20 A Class J, max. Fuse, SCCR (UL/CSA) 16 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	30/100 kA, Fuse, SCCR (UL/CSA) 25 A, Class RK5/20 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	35 A gG/gL
SUITABLE FOR	Also motors with efficiency class IE3
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	20 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	20 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	16 A gG/gL
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	18 A (480V 60Hz 3phase, 277V 60Hz 1phase) 18 A (600V 60Hz 3phase, 347V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	54 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 9 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	2 HP, 240 V 60 Hz 3-ph, (UL/CSA) 6.1 A, 600 V 60 Hz 3-ph, (UL/CSA) 5 HP, 600 V 60 Hz 3-ph, (UL/CSA) 7.8 A, 200 V 60 Hz 3-ph,

	(UL/CSA) 4.8 A, 480 V 60 Hz 3-ph, (UL/CSA) 6.8 A, 240 V 60 Hz 3-ph, (UL/CSA) 3 HP, 480 V 60 Hz 3-ph, (UL/CSA) 2 HP, 200 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	60 A, LRA 600 V 60 Hz 3phase; (CSA) 60 A, LRA 480 V 60 Hz 3phase; (CSA) 10 A, FLA 600 V 60 Hz 3phase; (CSA) 10 A, FLA 480 V 60 Hz 3phase; (CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	18 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 18 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	14 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
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	5.5 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	4.5 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	4.5 kW
ACTUATING VOLTAGE	48 V 50 Hz
ALTITUDE	Max. 2000 m

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:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

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