Specifications

Photo is representative

Eaton 276693

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 4 kW, 1 N/O, 415 V 50 Hz, 480 V 60 Hz, AC operation, Screw terminals

General specification	ns
PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	276693
MODEL CODE	DILM9- 10(415V50HZ,480V60HZ)
EAN	4015082766931
PRODUCT LENGTH/DEPTH	75 mm
PRODUCT HEIGHT	68 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.24 kg
CERTIFICATIONS	IEC/EN 60947-4-1 CSA Class No.: 2411-03, 3211-04 CSA UL File No.: E29096 CSA File No.: 012528 IEC/EN 60947 CSA-C22.2 No. 60947-4-1- 14 UL 60947-4-1 UL Category Control No.: NLDX UL VDE 0660 CE
CATALOG NOTES	 Contacts according to EN 50012 IE3-ready devices are identified by the logo on their packaging.
GLOBAL CATALOG	276693



Product specification	S	Resources	
ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT	Screw connection	CATALOGS	eaton-product-overview- for-machinery-catalogue- ca08103003zen-en-us.pdf
NUMBER OF POLES	Three-pole	G.1.7.12005	Product Range Catalog
NOWIBER OF FOLES	The panel builder is		Switching and protecting
10.10 TEMPERATURE RISE	responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.		eaton-contactors-switch- dilm-characteristic- curve.eps eaton-contactors-switch-
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.	CHARACTERISTIC CURVE	dilm-characteristic-curve- 002.eps eaton-contactors- component-dilm-
	Is the panel builder's		<u>characteristic-curve-</u> <u>003.eps</u>
10.12 ELECTROMAGNETIC	responsibility. The specifications for the	DECLARATIONS OF	DA-DC-00004810.pdf
COMPATIBILITY	switchgear must be observed.	CONFORMITY	DA-DC-00004792.pdf
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	mounting-dilm-dimensions-002 eaton-contacto mounting-dilm-dimensions.eps eaton-contacto dilm-dimension DRAWINGS eaton-contacto dilm-dimension eaton-contacto dilm-dimension eaton-contacto dilm-dimension eaton-contacto dilm-dimension eaton-contacto drawing-007.ep	eaton-contactors- mounting-dilm- dimensions-002.eps eaton-contactors- mounting-dilm-
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.		dimensions.eps
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.		dilm-dimensions.eps eaton-contactors-module-
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.		dilm-dimensions-002.eps eaton-contactors-frame- dilm-dimensions.eps
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.		eaton-contactors-dilm-3d-drawing-007.eps eaton-general-ie-ready-dilm-contactor-standards.eps
10.2.4 RESISTANCE TO	Meets the product	ECAD MODEL	ETN.276693.edz
ULTRA-VIOLET (UV) RADIATION	standard's requirements. Does not apply, since the	INSTALLATION INSTRUCTIONS	eaton-contactors-dila- dilm7-15-dilmp20- il03407013z.pdf
10.2.5 LIFTING	entire switchgear needs to be evaluated.	INSTALLATION VIDEOS	WIN-WIN with push-in technology
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.	MCAD MODEL	DA-CD-dil m7 15

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	Is 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-3: Normal AC induction motors: starting, switch off during running AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching
CONNECTION	Screw terminals
FRAME SIZE	FS1

	DA-CS-dil m7 15
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram.eps

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	415 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50	415 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN DROP-OUT VOLTAGE OVERVOLTAGE CATEGORY DUTY FACTOR INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION POWER CONSUMPTION, PICK-UP, 60 HZ SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
VOLTAGE (US) AT AC, 60 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN DROP-OUT VOLTAGE OVERVOLTAGE CATEGORY DUTY FACTOR INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION POWER CONSUMPTION, PICK-UP, 60 HZ POWER CONSUMPTION, PICK-UP, 60 HZ M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M400 V AC, Between to coil and contacts, According to EN 61140 When the contacts are and 1.0 x Us, at 60 Hz M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
VOLTAGE (US) AT AC, 60 HZ - MIN DROP-OUT VOLTAGE OVERVOLTAGE CATEGORY DUTY FACTOR INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION POWER CONSUMPTION, PICK-UP, 60 HZ POWER CONSUMPTION, PICK-UP, 60 HZ POWER CONSUMPTION, PICK-UP, 60 HZ M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw
OVERVOLTAGE CATEGORY DUTY FACTOR EMITTED INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION According to EN 60947-1 10,000,000 Operations (ACcoperated) 10,000,000 Operations (ACcoperated) 24 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 POWER CONSUMPTION, PICK-UP, 60 HZ SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw
DUTY FACTOR EMITTED INTERFERENCE INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION POWER CONSUMPTION, PICK-UP, 60 HZ POWER CONSUMPTION, PICK-UP, 60 HZ M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
INTERFERENCE According to EN 60947-1 INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL 10,000,000 Operations (ACcoperated) 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 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and 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 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION POWER CONSUMPTION, PICK-UP, 60 HZ POWER CONSUMPTION, PICK-UP, 60 HZ According to EN 60947-1 10,000,000 Operations (ACcoperated) 24 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 POWER CONSUMPTION, PICK-UP, 60 HZ SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
According to EN 60947-1 LIFESPAN, MECHANICAL PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION POWER CONSUMPTION SAFE ISOLATION POWER CONSUMPTION, 61140 A00 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 POWER CONSUMPTION, PICK-UP, 60 HZ SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x US, at 60 HZ
PICK-UP VOLTAGE POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION POWER CONSUMPTION, PICK-UP, 50 HZ SAFE ISOLATION POWER CONSUMPTION, 61140 POWER CONSUMPTION, PICK-UP, 60 HZ SCREW SIZE Description operated) 24 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 30 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x
POWER CONSUMPTION, PICK-UP, 50 HZ 24 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and 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 1.4 W, Dual-frequency coil in a cold state and 1.0 x
POWER CONSUMPTION, PICK-UP, 50 HZ In a cold state and 1.0 x Us, at 50 Hz 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and 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 1.4 W, Dual-frequency coil in a cold state and 1.0 x
contacts, According to EN 61140 400 V AC, Between coil and 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 1.4 W, Dual-frequency coil in a cold state and 1.0 x
in a cold state and 1.0 x Us, at 60 Hz SCREW SIZE M3.5, Terminal screw 1.4 W, Dual-frequency coil in a cold state and 1.0 x
1.4 W, Dual-frequency coil in a cold state and 1.0 x
in a cold state and 1.0 x
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 POWER CONSUMPTION, SEALING, 60 HZ 4.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
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, 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 5.7 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 3.4 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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
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)	112 A
RATED OPERATIONAL	22 A

CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	9 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	9 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	9 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	5 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	5 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	4.5 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)	9 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	3 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	4 kW

RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	5.5 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	1.5 kW
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	18 ms

DELAY) - MAX	
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)	25 A, Class RK5/ 20 A Class J, max. Fuse, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 16 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	25 A, Class RK5/20 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, 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	9 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 54 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE	7.8 A, 200 V 60 Hz 3-ph,

RATING OF ELEVATOR CONTROL	(UL/CSA) 6.8 A, 240 V 60 Hz 3-ph, (UL/CSA) 5 HP, 600 V 60 Hz 3-ph, (UL/CSA) 2 HP, 240 V 60 Hz 3-ph, (UL/CSA) 4.8 A, 480 V 60 Hz 3-ph, (UL/CSA) 2 HP, 200 V 60 Hz 3-ph, (UL/CSA) 3 HP, 480 V 60 Hz 3-ph, (UL/CSA) 6.1 A, 600 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	10 A, FLA 480 V 60 Hz 3phase; (CSA) 10 A, FLA 600 V 60 Hz 3phase; (CSA) 60 A, LRA 480 V 60 Hz 3phase; (CSA) 60 A, LRA 600 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, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 14 A, 480 V 60 Hz 3phase, 277 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	415 V 50 Hz, 480 V 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:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc

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

 $\hbox{@ 2025 Eaton.}$ All Rights Reserved.

Follow us on social media to get the latest product and support information.









