Specifications

Photo is representative

Eaton 277179

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 11 kW, 1 NC, RDC 60: 48 - 60 V DC, DC operation, Screw terminals

PRODUCT NAME Eaton Moeller® series DILM contactor CATALOG NUMBER 277179 MODEL CODE DILM25-01(RDC60) EAN 4015082771799 PRODUCT LENGTH/DEPTH PRODUCT WIDTH PRODUCT WIDTH PRODUCT WEIGHT 0.534 kg CSA Class No.: 2411-03, 3211-04 UL 60947-4-1 UL CSA File No.: 012528 UL Category Control No.: NLDX IEC/EN 60947 IEC/EN 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1-14 UL File No.: E29096 CSA CATALOG NOTES COntacts according to EN 50012 GLOBAL CATALOG 277179	General specification	าร
## MODEL CODE DILM25-01(RDC60) EAN	PRODUCT NAME	
## PRODUCT LENGTH/DEPTH 97 mm PRODUCT HEIGHT	CATALOG NUMBER	277179
PRODUCT LENGTH/DEPTH 97 mm PRODUCT HEIGHT 85 mm PRODUCT WIDTH 45 mm PRODUCT WEIGHT 0.534 kg CSA Class No.: 2411-03, 3211-04 UL 60947-4-1 UL CSA File No.: 012528 UL Category Control No.: NLDX IEC/EN 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1-14 UL File No.: E29096 CSA CATALOG NOTES Contacts according to EN 50012	MODEL CODE	DILM25-01(RDC60)
## PRODUCT HEIGHT 97 mm PRODUCT WIDTH 45 mm PRODUCT WEIGHT 0.534 kg CSA Class No.: 2411-03, 3211-04 UL 60947-4-1 UL CSA File No.: 012528 UL Category Control No.: NLDX IEC/EN 60947 IEC/EN 60947 IEC/EN 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1-14 UL File No.: E29096 CSA CATALOG NOTES Contacts according to EN 50012	EAN	4015082771799
PRODUCT WIDTH 45 mm PRODUCT WEIGHT 0.534 kg CSA Class No.: 2411-03, 3211-04 UL 60947-4-1 UL CSA File No.: 012528 UL Category Control No.: NLDX CERTIFICATIONS IEC/EN 60947 IEC/EN 60947 IEC/EN 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1-14 UL File No.: E29096 CSA CATALOG NOTES Contacts according to EN 50012		97 mm
PRODUCT WEIGHT 0.534 kg CSA Class No.: 2411-03, 3211-04 UL 60947-4-1 UL UL 60947-4-1 UL Category Control No.: NLDX IEC/EN 60947 IEC/EN 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1-14 UL File No.: E29096 CSA CATALOG NOTES Contacts according to EN 50012	PRODUCT HEIGHT	85 mm
CSA Class No.: 2411-03, 3211-04 UL 60947-4-1 UL CSA File No.: 012528 UL Category Control No.: NLDX IEC/EN 60947 IEC/EN 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1- 14 UL File No.: E29096 CSA CATALOG NOTES Contacts according to EN 50012	PRODUCT WIDTH	45 mm
3211-04 UL 60947-4-1 UL CSA File No.: 012528 UL Category Control No.: NLDX IEC/EN 60947 IEC/EN 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1- 14 UL File No.: E29096 CSA CATALOG NOTES Contacts according to EN 50012	PRODUCT WEIGHT	0.534 kg
50012	CERTIFICATIONS	3211-04 UL 60947-4-1 UL CSA File No.: 012528 UL Category Control No.: NLDX IEC/EN 60947 IEC/EN 60947-4-1 CE VDE 0660 CSA-C22.2 No. 60947-4-1-14 UL File No.: E29096
GLOBAL CATALOG 277179	CATALOG NOTES	_
	GLOBAL CATALOG	277179



Dead of a serification	-	D	
Product specification	S	Resources	
ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT	Screw connection		eaton-product-overview- for-machinery-catalogue- ca08103003zen-en-us.pdf
CIRCUIT		CATALOGS	SmartWire-DT Catalog
NUMBER OF POLES	Three-pole		Product Range Catalog
	The panel builder is		Switching and protecting motors
10.10 TEMPERATURE RISE	responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.		eaton-contactors- component-dilm- characteristic-curve- 003.eps
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.	CHARACTERISTIC CURVE	eaton-contactors-switch-dilm-characteristic-curve-002.eps eaton-contactors-switch-
10.12 ELECTROMAGNETIC	ls the panel builder's responsibility. The		dilm-characteristic- curve.eps
COMPATIBILITY	specifications for the switchgear must be observed.		<u>eaton-contactors-short-</u> <u>time-loading-dilm-</u> <u>characteristic-curve.eps</u>
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	DECLARATIONS OF CONFORMITY	eaton-contactor- declaration-of-conformity- eu250736en.pdf eaton-contactor-
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.		declaration-of-conformity- uk251219en.pdf
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.		eaton-contactors- mounting-dilm- dimensions-002.eps
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.		<u>eaton-contactors-</u> <u>mounting-dilm-</u> <u>dimensions.eps</u>
10.2.3.3 RESIST. OF		DRAWINGS	<u>eaton-contactors-</u> <u>dimensions-210t014.eps</u>
INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.	DRAWINGS	eaton-contactors-contact- dimensions-210x202.eps
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV)	Meets the product standard's requirements.		eaton-contactors-dilm-3d-drawing-009.eps
RADIATION 10.2.5 LIFTING	Does not apply, since the entire switchgear needs to		<u>eaton-general-ie-ready-</u> <u>dilm-contactor-</u> <u>standards.eps</u>
.0.2.3 Lif 11110	be evaluated.	ECAD MODEL	ETN.277179.edz
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.	INSTALLATION INSTRUCTIONS	IL03407014Z2021_09.pdf
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.	INSTALLATION VIDEOS	WIN-WIN with push-in technology

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 Suppressor circuit in actuating electronics
OPERATING FREQUENCY	5000 mechanical Operations/h (DC 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
	No 8000 V AC
SMARTWIRE-DT RATED IMPULSE WITHSTAND VOLTAGE	
SMARTWIRE-DT RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	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,
SMARTWIRE-DT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 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
SMARTWIRE-DT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) UTILIZATION CATEGORY CONNECTION	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 Screw terminals

MCAD MODEL	DA-CD-dil_m17_38
	DA-CS-dil m17 38
PEP ECO-PASSPORT	eaton-iec-contactors-pep- eato-00134-v0101-en.pdf
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	2100SWI-117

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	2 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	7.5 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	5 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	10 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	15 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	20 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	90 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	36 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	42 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	100 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	4.2 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	1.4 W

SWITCHING TIME (DC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	47 ms
SWITCHING TIME (DC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	30 ms
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	DC
DEGREE OF PROTECTION	IP00
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
POWER CONSUMPTION (PICK-UP) AT DC	12 W
POWER CONSUMPTION (SEALING) AT DC	0.9 W
RATED BREAKING CAPACITY AT 220/230 V	250 A
RATED BREAKING CAPACITY AT 380/400 V	250 A
RATED BREAKING CAPACITY AT 500 V	250 A

RATED BREAKING CAPACITY AT 660/690 V RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN At least smoothed two- phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated OVERVOLTAGE CATEGORY DUTY FACTOR INTERFERENCE INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE SAFE ISOLATION 150 A 100 V AV AV AV AV AT I LEAST SMOOTHED TWO- DAY ACCORDING TO THE ACCORDING
VOLTAGE (US) AT AC, 50 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN At least smoothed two- phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated OVERVOLTAGE CATEGORY DUTY FACTOR INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE SAFE ISOLATION O V At least smoothed two- phase bridge rectifier or three-phase rectifier on three-phase bridge rectifier on three-phase bridge rectifier on three-phase b
VOLTAGE (US) AT AC, 50 HZ - MIN RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN At least smoothed two- phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated OVERVOLTAGE CATEGORY DUTY FACTOR INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE SAFE ISOLATION O V At least smoothed two- phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated OVERVOLTAGE 111 According to EN 60947-1 10,000,000 Operations (DC operated) 0.7 - 1.2 V DC x Uc 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
VOLTAGE (US) AT AC, 60 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN At least smoothed two- phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated OVERVOLTAGE CATEGORY DUTY FACTOR INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE SAFE ISOLATION O V At least smoothed two- phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated According to EN 60947-1 10,000,000 Operations (DC operated) 0.7 - 1.2 V DC x Uc 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
VOLTAGE (US) AT AC, 60 HZ - MIN At least smoothed two-phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated OVERVOLTAGE CATEGORY DUTY FACTOR EMITTED INTERFERENCE According to EN 60947-1 INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE SAFE ISOLATION At least smoothed two-phase bridge rectifier or three-phase vectoring to EN 60947-1 UII DUTY FACTOR 100 % According to EN 60947-1 10,000,000 Operations (DC operated) 0.7 - 1.2 V DC x UC 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
phase bridge rectifier or three-phase rectifier 0.6 - 0.15 x UC, DC operated OVERVOLTAGE CATEGORY DUTY FACTOR EMITTED INTERFERENCE According to EN 60947-1 INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE SAFE ISOLATION PAGE 10.00,000 Operations (DC operated) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
CATEGORY DUTY FACTOR 100 % EMITTED INTERFERENCE INTERFERENCE IMMUNITY According to EN 60947-1 10,000,000 Operations (DC operated) PICK-UP VOLTAGE 10,000,000 Operations (DC operated) 0.7 - 1.2 V DC x Uc 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
EMITTED INTERFERENCE INTERFERENCE IMMUNITY According to EN 60947-1 10,000,000 Operations (DC operated) PICK-UP VOLTAGE 0.7 - 1.2 V DC x Uc 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE 10,000,000 Operations (DC operated) 0.7 - 1.2 V DC x Uc 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
According to EN 60947-1 LIFESPAN, MECHANICAL 10,000,000 Operations (DC operated) PICK-UP VOLTAGE 0.7 - 1.2 V DC x Uc 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
PICK-UP VOLTAGE 0.7 - 1.2 V DC x Uc 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
SAFE ISOLATION 48 - 60 V DC (RDC 60) 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
safe isolation contacts, According to EN 61140 440 V AC, Between coil and contacts, According to
EN 61140
SCREW SIZE M3.5, Terminal screw, Control circuit cables M5, Terminal screw, Main cables
TERMINAL CAPACITY (STRANDED) 1 x 16 mm², Main cables
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) A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)
$\begin{array}{c} 2\times (0.75\text{ - }10)\text{ mm}^2\text{, Main} \\ \text{TERMINAL CAPACITY} \\ \text{(FLEXIBLE WITH} & 1\times (0.75\text{ - }16)\text{ mm}^2\text{, Main} \\ \text{FERRULE)} & \text{cables} \\ 2\times (0.75\text{ - }2.5)\text{ mm}^2\text{,} \end{array}$

	Control circuit cables 1 x (0.75 - 2.5) mm², Control circuit cables
SHOCK RESISTANCE	6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms 5.3 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 3.5 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, Half-sinusoidal shock 10 ms
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 4) mm², Control circuit cables 2 x (0.75 - 10) mm², Main cables 2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 16) mm², Main cables
TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 18 - 6, double 18 - 8, Main cables 18 - 14, Control circuit cables
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	40 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	1.2 Nm, Screw terminals, Control circuit cables 3.2 Nm, Screw terminals, Main cables
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	60 V

RATED INSULATION VOLTAGE (UI)	690 V
RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)	350 A
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	45 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	25 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	13 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	13 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	13 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	13 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	10 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	40 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	40 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V	40 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	25 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50	8.5 kW

HZ	
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	11 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	14.5 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	3.5 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	4 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	6 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	6.5 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	8 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	8.5 kW
RATED OPERATIONAL POWER (NEMA)	11 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RESISTANCE PER POLE	$2.7~\text{m}\Omega$
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	0.9 W
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
STRIPPING LENGTH (MAIN CABLE)	10 mm
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	5 kA, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	10/100 kA, Fuse, SCCR (UL/CSA) 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) 10/65 kA, CB, SCCR

	(UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	10/22 kA, CB, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 125/100 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	100 A gG/gL
SUITABLE FOR	Also motors with efficiency class IE3
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	50 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	35 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	35 A gG/gL
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	40 A (600V 60Hz 3phase, 347V 60Hz 1phase) 40 A (480V 60Hz 3phase, 277V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	150 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 25 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	3 HP, 200 V 60 Hz 3-ph, (UL/CSA) 11 A, 200 V 60 Hz 3-ph, (UL/CSA) 17 A, 600 V 60 Hz 3-ph, (UL/CSA) 10 HP, 480 V 60 Hz 3-ph, (UL/CSA) 15 HP, 600 V 60 Hz 3-ph, (UL/CSA) 5 HP, 240 V 60 Hz 3-ph, (UL/CSA) 14 A, 480 V 60 Hz 3-ph, (UL/CSA) 15.2 A, 240 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE	180 A, LRA 600 V 60 Hz

RATING OF REFRIGERATION CONTROL (CSA ONLY)	3phase; (CSA) 30 A, FLA 600 V 60 Hz 3phase; (CSA) 40 A, FLA 480 V 60 Hz 3phase; (CSA) 240 A, LRA 480 V 60 Hz 3phase; (CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	45 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	43 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	40 A
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	15.5 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	17.5 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	14 kW
ACTUATING VOLTAGE	RDC 60: 48 - 60 V DC
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

© 2025 Eaton. All Rights Reserved.

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









