Specifications

Photo is representative

Eaton 139545

Eaton Moeller® series DILM Contactor, 380 V 400 V 110 kW, 2 N/O, 2 NC, RAC 48: 42 - 48 V 50/60 Hz, AC operation, Screw connection

General specification	ons
PRODUCT NAME	Eaton Moeller® series DILM Contactor
CATALOG NUMBER	139545
MODEL CODE	DILM225A/22(RAC48)
EAN	4015081363230
PRODUCT LENGTH/DEPTH	158 mm
PRODUCT HEIGHT	190 mm
PRODUCT WIDTH	140 mm
PRODUCT WEIGHT	3.54 kg
CERTIFICATIONS	CSA File No.: 2389068 UL File No.: E29096 VDE 0660 IEC/EN 60947-4-1 UL CE IEC/EN 60947 UL Category Control No.: NLDX UL 60947-4-1 CSA CSA Class No.: 3211-04 CSA-C22.2 No. 60947-4-1-14
CATALOG NOTES	 Contacts according to EN 50012 Also tested according to AC-3e up to 500 V. Also suitable for motors with efficiency class IE3. Conventional thermal current Ith of main contacts (1-

pole, open) at 60°



Product specification:	S
ACCESSORIES	Fitting options auxiliary contacts: on the side: 2 x DILM1000-XHI(V)11-SI; 2 x DILM1000-XHI11-SA
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.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.

Resources	
CATALOGS	Product Range Catalog Switching and protecting motors
CHARACTERISTIC CURVE	eaton-contactors- component-dilm- characteristic-curve- 003.eps
	eaton-contactors- component-dilm- characteristic-curve- 002.eps
	eaton-contactors- component-dilm- characteristic-curve.eps
	eaton-contactors-short- time-loading-dilm- characteristic-curve- 002.eps
DECLARATIONS OF	DA-DC-00004802.pdf
CONFORMITY	DA-DC-00004799.pdf
	eaton-contactors-dilm- dimensions-006.eps
DRAWINGS	eaton-contactors- mounting-dilm- dimensions-002.eps
	eaton-contactors- mounting-dilm- dimensions.eps
	eaton-contactors-dilm-3d-drawing.eps
ECAD MODEL	DA-CE- ETN.DILM225A_22(RAC48)
INSTALLATION INSTRUCTIONS	IL03406001Z
MCAD MODEL	eaton-iec-contactors- mcad-3d-models-dil- m185-225.stp
	eaton-iec-contactors- mcad-drawings-dil-m185- 225.dwg
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram- 004.eps

10.3 DEGREE OF PROTECTION OF ASSEMBLIES 10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-REQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL FITTED WITH: OPERATING FREQUENCY CLIMATIC PROOFING CLIMATIC PROOFING UTILIZATION CATEGORY AMBIENT OPERATING CONNECTION Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder'		
TO.5 PROTECTION AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE OPERATING FREQUENCY CLIMATIC PROOFING CLIMATIC PROOFING WITHSTAND VOLTAGE CLIMATIC PROOFING CONNECTIONS RATED IMPULSE WITHSTAND VOLTAGE UTILIZATION CATEGORY AC-4: Normal AC induction motors: starting, switch off during running CONNECTION AMBIENT OPERATING Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. I Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility.	PROTECTION OF	entire switchgear needs to
AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS 10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE INSULATING MATERIAL FITTED WITH: OPERATING FREQUENCY CLIMATIC PROOFING CLIMATIC PROOFING UTILIZATION CATEGORY AMBIENT OPERATING 10.6 INCORPORATION OF SWITCHING SWITCH SWITCH SING OF ENCLOSURES MADE OF INSULATION CATEGORY AMBIENT OPERATING Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's respon		· ·
SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE Is the panel builder's responsibility. Is	AGAINST ELECTRIC	entire switchgear needs to
ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL FITTED WITH: OPERATING FREQUENCY CLIMATIC PROOFING UTILIZATION CATEGORY UTILIZATION CATEGORY Step panel builder's responsibility. Is the panel buil	SWITCHING DEVICES AND	entire switchgear needs to
TEXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE Is the panel builder's responsibility. 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL FITTED WITH: Suppressor circuit in actuating electronics 3000 mechanical Operations/h (AC operated) 200 Operations/h POLLUTION DEGREE CLIMATIC PROOFING CLIMATIC PROOFING Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 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 Screw terminals	ELECTRICAL CIRCUITS	
FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL FITTED WITH: Suppressor circuit in actuating electronics 3000 mechanical Operations/h (AC operated) 200 Operations/h POLLUTION DEGREE 3 CLIMATIC PROOFING CLIMATIC PROOFING CLIMATIC PROOFING RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 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 Screw terminals		•
Tesponsibility. 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL FITTED WITH: Suppressor circuit in actuating electronics 3000 mechanical Operations/h (AC operated) 200 Operations/h POLLUTION DEGREE CLIMATIC PROOFING CLIMATIC PROOFING Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 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 Screw terminals	FREQUENCY ELECTRIC	•
Is the panel builder's responsibility. FITTED WITH: OPERATING FREQUENCY OPERATING SUPPRESSOR Circuit in actuating electronics 3000 mechanical Operations/h (AC operated) 200 Operations/h AC operated) 200 Operations/h ABUDEN CONSTANT OPERATING OPERATING SUPPRESSOR CIRCUIT IN actual IN a		•
OPERATING FREQUENCY OPERATING FREQUENCY Operations/h (AC operated) 200 Operations/h POLLUTION DEGREE 3 CLIMATIC PROOFING Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 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 Screw terminals	ENCLOSURES MADE OF	
OPERATING FREQUENCY Operations/h (AC operated) 200 Operations/h POLLUTION DEGREE 3 CLIMATIC PROOFING Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 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 Screw terminals	FITTED WITH:	
CLIMATIC PROOFING Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 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 Screw terminals	OPERATING FREQUENCY	Operations/h (AC operated)
CLIMATIC PROOFING 60068-2-30 Damp heat, constant, to IEC 60068-2-78 RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 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 Screw terminals	POLLUTION DEGREE	3
WITHSTAND VOLTAGE (UIMP) 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 Screw terminals	CLIMATIC PROOFING	60068-2-30 Damp heat, constant, to
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 Screw terminals	WITHSTAND VOLTAGE	8000 V AC
AMRIENT OPERATING		motors: starting, plugging,
AMBIENT OPERATING	UTILIZATION CATEGORY	AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off
TEMPERATURE - MAX		AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running
	CONNECTION AMBIENT OPERATING	AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running

AMBIENT OPERATING TEMPERATURE - MIN	-40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-40 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	60 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	75 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	150 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	200 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	688 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	275 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	329 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	788 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	7.67 W
APPLICATION	Contactors for Motors
PRODUCT CATEGORY	Contactors
PROTECTION	Finger and back-of-hand proof with terminal

	shroud or terminal block, Protection against direct contact when actuated from front (EN 50274)
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Rail connection
SCREWDRIVER SIZE	2, Terminal screw, Control circuit cables, Pozidriv screwdriver
VOLTAGE TYPE	AC
DEGREE OF PROTECTION	IP00
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	2
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
RATED BREAKING CAPACITY AT 1000 V	760 A
RATED BREAKING CAPACITY AT 220/230 V	2250 A
RATED BREAKING CAPACITY AT 380/400 V	2250 A
CAPACITY AT 500 V	2250 A
CAPACITY AT 660/690 V	2250 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	110 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	110 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60	48 V
HZ - MIN	40 V
DROP-OUT VOLTAGE	AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated
OVERVOLTAGE CATEGORY	Ш
DUTY FACTOR	100 %
ELECTROMAGNETIC COMPATIBILITY	Designed for operation in industrial environments. Its use in residential environments may cause radio-frequency interference, requiring additional noise suppression.
LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated)
PICK-UP VOLTAGE	0.8 - 1.15 V AC x Us
POWER CONSUMPTION, PICK-UP, 50 HZ	210 VA, Pull-in power, Coil in a cold state and 1.0 x Us 180 W, Pull-in power, Coil in a cold state and 1.0 x Us
SAFE ISOLATION	1000 V AC, Between coil and contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 HZ	180 W, Pull-in power, Coil in a cold state and 1.0 x Us
1100-01, 00 112	210 VA, Pull-in power, Coil in a cold state and 1.0 x Us
SCREW SIZE	M10, Terminal screw, Main connections M3.5, Terminal screw, Control circuit cables
POWER CONSUMPTION, SEALING, 50 HZ	2.6 VA, Coil in a cold state and 1.0 x Us 2.1 W, Coil in a cold state and 1.0 x Us
POWER CONSUMPTION, SEALING, 60 HZ	2.6 VA, Coil in a cold state and 1.0 x Us 2.1 W, Coil in a cold state and 1.0 x Us
RATED OPERATIONAL CURRENT (IE)	133 A at 690 V (Individual compensation, three-

	220 A at up to 525 V (Individual compensation, three-phase capacitors, open)
INRUSH CURRENT	Max. 30 x le (peak)
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	15 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
LIFESPAN, ELECTRICAL	100,000 Operations (at Condensor operation)
TERMINAL CAPACITY (COPPER BAND)	Fixing with flat cable terminal or cable terminal blocks; See terminal capacity for cable terminal blocks
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (0.75 - 2.5) mm ² , Control circuit cables 1 x (0.75 - 2.5) mm ² , Control circuit cables
SHOCK RESISTANCE	8 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm ² , Control circuit cables 1 x (0.75 - 2.5) mm ² , Control circuit cables
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14, Control circuit cables 2/0 - 250 MCM, Main cables
TERMINAL CAPACITY (BUSBAR)	32 mm width, Main connection
TERMINAL CAPACITY (FLEXIBLE WITH CABLE LUG)	50 - 185 mm²
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	250 A, Maximum motor rating (UL/CSA)

TERMINAL CAPACITY (STRANDED WITH CABLE LUG)	70 - 185 mm²
TIGHTENING TORQUE	24 Nm, Main cable connection screw/bolt 1.2 Nm, Screw terminals, Control circuit cables
WIDTH ACROSS FLATS	16 mm
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED INSULATION VOLTAGE (UI)	1000 V
RATED MAKING CAPACITY (COS PHI TO IEC/EN 60947)	2700 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 1000 V	76 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	225 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	225 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	225 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	225 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	160 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 1000 V	55 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	164 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	164 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	164 A
RATED OPERATIONAL	164 A

CURRENT (IE) AT AC-4, 500 V	
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	120 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	225 A
RATED OPERATIONAL POWER AT AC-3, 1000 V, 50 HZ	108 kW
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	75 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	110 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	132 kW
RATED OPERATIONAL POWER AT AC-4, 1000 V, 50 HZ	77 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	51 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	54 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	90 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	96 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	102 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	116 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	110 kW
RATED OPERATIONAL POWER (NEMA)	111 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	1000 V
RESISTANCE PER POLE	0.15 mΩ

STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	2.1 W
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	60 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	40 ms
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	600 A, max. CB, SCCR (UL/CSA) 700 A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	65 kA, CB, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 100 kA, Fuse, SCCR (UL/CSA) 600 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	600 A, Class J, max. Fuse, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 100 kA, Fuse, SCCR (UL/CSA) 50 kA, CB, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 1000 V	200 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION)	400 A gG/gL
AT 400 V	
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	315 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION)	315 A gG/gL 160 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION)	

PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	280 A, FLA 600 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 2016 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 336 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 1680 A, LRA 600 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	386 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	345 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	315 A
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	138 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	160 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	150 kW
ACTUATING VOLTAGE	RAC 48: 42 - 48 V 50/60 Hz
ALTITUDE	Max. 2000 m
OPERATING VOLTAGE AT AC, 50 HZ - MIN	42 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	48 V
OPERATING VOLTAGE AT AC, 60 HZ - MIN	42 V

AC, 60 HZ - MIN

AC, 60 HZ - MAX

OPERATING VOLTAGE AT

48 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.









