Specifications



Photo is representative





Eaton 104449

Eaton Moeller® series DILMF Contactors for Semiconductor Industries acc. to SEMI F47, 380 V 400 V: 25 A, 1 NC, RAC 240: 190 - 240 V 50/60 Hz, Screw terminals

General specifications

PRODUCT NAME	Eaton Moeller® series DILMF contactor for semiconductor industries
CATALOG NUMBER	104449
MODEL CODE	DILMF25-01(RAC240)
EAN	4015081042661
PRODUCT LENGTH/DEPTH	97 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.531 kg
CERTIFICATIONS	CE IEC/EN 60947-4-1 CSA-C22.2 No. 60947-4-1- 14 UL File No.: E29096 UL Category Control No.: NLDX CSA Class No.: 2411-03, 3211-04 UL CSA CSA File No.: 012528 UL 60947-4-1
CATALOG NOTES	Also tested according to AC-3e.
GLOBAL CATALOG	104449



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

eaton-product-overviewfor-machinery-catalogue-

CATALOGS

	ca08103003zen-en-us.pdf
	SmartWire-DT Catalog
CHARACTERISTIC CURVE	eaton-contactors- component-dilm- characteristic-curve- 003.eps eaton-contactors-short-
	time-loading-dilm- characteristic-curve.eps
DECLARATIONS OF	DA-DC-00004816.pdf
CONFORMITY	DA-DC-00004783.pdf
	<u>eaton-contactors-</u> dimensions-210t014.eps
	<u>eaton-contactors-contact-</u> <u>dimensions-210x202.eps</u>
DRAWINGS	<u>eaton-contactors-</u> <u>mounting-dilm-</u> <u>dimensions.eps</u>
	<u>eaton-general-ie-ready-</u> <u>dilm-contactor-</u> <u>standards.eps</u>
	<u>eaton-contactors-dilm-3d-</u> <u>drawing-009.eps</u>
ECAD MODEL	ETN.104449.edz
INSTALLATION INSTRUCTIONS	IL03407014Z2021_09.pdf
INSTALLATION VIDEOS	<u>WIN-WIN with push-in</u> <u>technology</u>
MCAD MODEL	DA-CS-dil_m17_38
	DA-CD-dil m17 38
	<u>eaton-contactors-circuit-</u> <u>breaker-dilmf-explosion-</u> <u>drawing.eps</u>
SYSTEM OVERVIEW	<u>eaton-contactors-</u> <u>mounting-dilmf-explosion-</u> <u>drawing.eps</u>
WIRING DIAGRAMS	2100SWI-117

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	Is 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	Is the panel builder's responsibility.
FITTED WITH:	Mirror contact Built-in suppressor circuit
OPERATING MODE	Operating mechanism adjustable from 50 Hz to 400 Hz.
UTILIZATION CATEGORY	AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
CONNECTION	Screw terminals
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE	2 HP
112, 11 11A3E	

HZ, 3-PHASE	
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 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
APPLICATION	Contactors for Semiconductor Industries acc. to SEMI F47
PRODUCT CATEGORY	Contactors
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
VOLTAGE TYPE	AC
NUMBER OF AUXILIARY	
CONTACTS (NORMALLY CLOSED CONTACTS)	1
	0
CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY	

INORMALLY CLOSED) ASNUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX3RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN240 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MINAC Operated: 0.5 - 0.2 x UC, AC operated:DROP-OUT VOLTAGEAC COPERATED: 0.5 - 0.2 x UC, AC operated:DUTY FACTOR100 %PORFOUT VOLTAGE0.5 - 0.2 x UC, AC operated:POWER CONSUMPTION, PICK-UP VOLTAGE0.8 - 1.15 V AC x UCPOWER CONSUMPTION, SEALING, 50 HZ0.7 VA, DUAl-frequency coil in a cold state and 1.0 x US, at 50 HZSWITCHING CAPACITY FUJUSILIARY CONTACTS, FILOT DUTY)0.7 VA, DUAl-frequency coil in a cold state and 1.0 x US, at 50 HZSWITCHING CAPACITY FUJUSILIARY CONTACTS, FUIDT DUTYAC600, AC operated (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY FUDATAGE (US) AT DC - MAX0.4ATED CONTROL SUPPLY FUDATAGE (US) AT DC - MAX0.V		
CONTACTS (NORMALLY OPEN CONTACT)3RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX240 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VDROP-OUT VOLTAGE L - MINAC operated: 0.5 - 0.2 x UC, AC operated:DUTY FACTOR100 %EMITTED INTERFERENCE MMUNITYAccording to EN 60947-10INTERFERENCE IMMUNITY0.8 - 1.15 V AC x UcPOWER CONSUMPTION, PICK-UP VOLTAGE0.7 VA, Dual-frequency coil in a cold state and 1.0 x US, at 50 HZSEALING, 50 HZ0.7 VA, Dual-frequency coil in a cold state and 1.0 x US, at 50 HZSWITCHING CAPACITY (AUXILIARY CONTACTS, EILOT DUTY)1A, 250 V DC, (UL/CSA) 10A, 600 V AC, (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)0 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0.V		
VOLTAGE (US) AT AC, 50240 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX240 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX240 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VDROP-OUT VOLTAGEAC operated: 0.5 - 0.2 x UC, AC operatedDUTY FACTOR100 %EMITTED INTERFERENCE IMMUNITYAccording to EN 60947-11PICK-UP VOLTAGE0.8 - 1.15 V AC x UCPOWER CONSUMPTION, PICK-UP, 50 HZ14 VA, Dual-frequency coil in a cold state and 1.0 x US, at 50 HZSWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)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) PILOT DUTY)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 ARATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 A	CONTACTS (NORMALLY	3
VOLTAGE (US) AT AC, 50 HZ - MIN190 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX240 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN240 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN190 VDROP-OUT VOLTAGEAC operated: 0.5 - 0.2 x UC, AC operatedDUTY FACTOR100 %EMITTED INTERFERENCE MMUNITYAccording to EN 60947-1INTERFERENCE MMUNITY0.8 - 1.15 V AC x UcPOWER CONSUMPTION, PICK-UP VOLTAGE14 VA, Dual-frequency coil in a cold state and 1.0 x US, at 50 HzPOWER CONSUMPTION, SEALING, 50 HZ0.7 VA, Dual-frequency coil in a cold state and 1.0 x US, at 50 HzSWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)A600, AC operated (UL/CSA) P300, DC operated (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 V	VOLTAGE (US) AT AC, 50	240 V
Voltrage (US) AT AC, 60 HZ - MAX240 VRATED CONTROL SUPPLY Voltage (US) AT AC, 60 HZ - MIN190 VDROP-OUT VOLTAGEAC operated: 0.5 - 0.2 x UC, AC operatedDROP-OUT VOLTAGEAC cording to EN 60947-10DUTY FACTORAccording to EN 60947-11INTERFERENCE IMMUNITYAccording to EN 60947-10PICK-UP VOLTAGE0.8 - 1.15 V AC x UcPOWER CONSUMPTION, PICK-UP, 50 HZ14 VA, Dual-frequency coil in a cold state and 1.0 x US, at 50 HZSWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)Acso V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA) P300, DC operated (UL/CSA) P300, DC operated (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)A600, AC operated (UL/CSA) P300, DC operated (UL/CSA) P300, DC operated (UL/CSA)RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 V	VOLTAGE (US) AT AC, 50	190 V
VOLTAGE (US) AT AC, 60 HZ - MIN190 VDROP-OUT VOLTAGEAC operated: 0.5 - 0.2 x UC, AC operatedDUTY FACTOR100 %EMITTED INTERFERENCEAccording to EN 60947-1INTERFERENCE IMMUNITYAccording to EN 60947-1PICK-UP VOLTAGE0.8 - 1.15 V AC x UcPOWER CONSUMPTION, PICK-UP, 50 HZ14 VA, Dual-frequency coil in a cold state and 1.0 x US, at 50 HZPOWER CONSUMPTION, SEALING, 50 HZ1.4, 250 V DC, (UL/CSA) US, at 50 HZSWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, EINTERAL USE)40 A, Maximum motor rating (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC -0 V	VOLTAGE (US) AT AC, 60	240 V
DROP-OUT VOLTAGEUC, AC operatedDUTY FACTOR100 %EMITTED INTERFERENCEAccording to EN 60947-1INTERFERENCE IMMUNITYAccording to EN 60947-1PICK-UP VOLTAGE0.8 - 1.15 V AC x UcPOWER CONSUMPTION, PICK-UP, 50 HZ14 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HzPOWER CONSUMPTION, SEALING, 50 HZ0.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HzSWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)1A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA) P300, DC operated (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)40 A, Maximum motor rating (UL/CSA)SWITCHING CAPACITY VOLTAGE (US) AT DC - MAX0 V	VOLTAGE (US) AT AC, 60	190 V
EMITTED INTERFERENCEAccording to EN 60947-1INTERFERENCE IMMUNITYAccording to EN 60947-1PICK-UP VOLTAGE0.8 - 1.15 V AC x UcPOWER CONSUMPTION, PICK-UP, 50 HZ14 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HzPOWER CONSUMPTION, SEALING, 50 HZ0.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HzSWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA) P300, DC operated (UL/CSA) P300, DC operated (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)RATED CONTROL SUPPLY VOLTAGE (US) AT DC -0 V	DROP-OUT VOLTAGE	•
INTERFERENCE IMMUNITYAccording to EN 60947-1PICK-UP VOLTAGE0.8 - 1.15 V AC x UcPOWER CONSUMPTION, PICK-UP, 50 HZ14 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HzPOWER CONSUMPTION, SEALING, 50 HZ0.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HzSWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (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)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)40 A, Maximum motor rating (UL/CSA)RATED CONTROL SUPPLY VOLTAGE (US) AT DC -0 V	DUTY FACTOR	100 %
IMMUNITYAccording to EN 60947-1IMMUNITYAccording to EN 60947-1PICK-UP VOLTAGE0.8 - 1.15 V AC x UcPOWER CONSUMPTION, PICK-UP, 50 HZ14 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HZPOWER CONSUMPTION, SEALING, 50 HZ0.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HZSWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA) 10 A, 600 V AC, (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, PILOT DUTY)A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)40 A, Maximum motor rating (UL/CSA)RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 V	EMITTED INTERFERENCE	According to EN 60947-1
POWER CONSUMPTION, PICK-UP, 50 HZ14 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HZPOWER CONSUMPTION, SEALING, 50 HZ0.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HZSWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)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)SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)0 VSWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)0 V		According to EN 60947-1
POWER CONSUMPTION, PICK-UP, 50 HZin a cold state and 1.0 x Us, at 50 HzPOWER CONSUMPTION, SEALING, 50 HZ0.7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HzSWITCHING 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)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)A600, AC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 VSWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 VSWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 V	PICK-UP VOLTAGE	0.8 - 1.15 V AC x Uc
POWER CONSUMPTION, SEALING, 50 HZin a cold state and 1.0 x Us, at 50 HZ 0.8 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 HZSWITCHING 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)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 A, Maximum motor rating (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 vSWITCHING CAPACITY voltage (US) AT DC -0 v		in a cold state and 1.0 x
(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)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)A600, AC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)0 A, Maximum motor rating (UL/CSA)RATED CONTROL SUPPLY VOLTAGE (US) AT DC -0 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC -0 V		in a cold state and 1.0 x
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)(UL/CSA) P300, DC operated (UL/CSA)SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)40 A, Maximum motor rating (UL/CSA)RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC -0 V		0.8 W, Dual-frequency coil in a cold state and 1.0 x
40 A, Maximum motor rating (UL/CSA)RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC -0 V	SEALING, 50 HZ SWITCHING CAPACITY (AUXILIARY CONTACTS,	0.8 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 1 A, 250 V DC, (UL/CSA)
VOLTAGE (US) AT DC - 0 ∨ MAX 0 ∨ RATED CONTROL SUPPLY 0 ∨ VOLTAGE (US) AT DC - 0 ∨	SEALING, 50 HZ SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE) SWITCHING CAPACITY (AUXILIARY CONTACTS,	0.8 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA) A600, AC operated (UL/CSA) P300, DC operated
VOLTAGE (US) AT DC - 0 V	SEALING, 50 HZ SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE) SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY) SWITCHING CAPACITY (MAIN CONTACTS,	0.8 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA) A600, AC operated (UL/CSA) P300, DC operated (UL/CSA) 40 A, Maximum motor
	SEALING, 50 HZ SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE) SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY) SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE) RATED CONTROL SUPPLY VOLTAGE (US) AT DC -	0.8 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA) A600, AC operated (UL/CSA) P300, DC operated (UL/CSA) 40 A, Maximum motor rating (UL/CSA)

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 FOR SPECIFIED HEAT DISSIPATION (IN)	25 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	8.5 kW
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	4 kW

HZ	
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
RESISTANCE PER POLE	2.65 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	0.8 W
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	40 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	45 ms
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	125 A, max. CB, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	10/65 kA, CB, SCCR (UL/CSA) 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) 125/100 A, Class J, max. Fuse, SCCR (UL/CSA) 10/22 kA, CB, SCCR

	(UL/CSA)
	SEMI F47, Magnet systems
SUITABLE FOR	Also motors with efficiency class IE3
SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	40 A (480V 60Hz 3phase, 277V 60Hz 1phase) 40 A (600V 60Hz 3phase, 347V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	25 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 150 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	5 HP, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 600 V 60 Hz 3-ph, (UL/CSA) 11 A, 200 V 60 Hz 3-ph, (UL/CSA) 14 A, 480 V 60 Hz 3-ph, (UL/CSA) 3 HP, 200 V 60 Hz 3-ph, (UL/CSA) 17 A, 600 V 60 Hz 3-ph, (UL/CSA) 15.2 A, 240 V 60 Hz 3-ph, (UL/CSA) 10 HP, 480 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	40 A, FLA 480 V 60 Hz 3phase; (CSA) 180 A, LRA 600 V 60 Hz 3phase; (CSA) 30 A, FLA 600 V 60 Hz 3phase; (CSA) 240 A, LRA 480 V 60 Hz 3phase; (CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 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	45 A

AT 40°C (3-POLE, OPEN)	
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	RAC 240: 190 - 240 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:



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