# Specifications

Photo is representative

## Eaton 191716

Eaton Moeller® series DILMS Safety contactor, 380 V 400 V: 37 kW, 2 N/O, 2 NC, RDC 24: 24 - 27 V DC, DC operation, Screw terminals, integrated suppressor circuit in actuating electronics

General specifications	
PRODUCT NAME	Eaton Moeller® series DILMS Safety contactor
CATALOG NUMBER	191716
MODEL CODE	DILMS80-22(RDC24)
EAN	4015081922291
PRODUCT LENGTH/DEPTH	175 mm
PRODUCT HEIGHT	170 mm
PRODUCT WIDTH	90 mm
PRODUCT WEIGHT	2.31 kg
CERTIFICATIONS	CSA UL Category Control No.: NLDX CSA Class No.: 2411-03, 3211-04 UL UL File No.: E29096 UL 60947-4-1 CSA File No.: 012528 VDE 0660 CSA-C22.2 No. 60947-4-1- 14 IEC/EN 60947-4-1 CE IEC/EN 60947
CATALOG NOTES	Contacts according to EN 50012
GLOBAL CATALOG	191716



### Product specifications

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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.	CATALOGS
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.	CHARACTERISTIC CU
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.	DECLARATIONS OF CONFORMITY
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.	DRAWINGS
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.	ECAD MODEL
10.3 DEGREE OF PROTECTION OF	Does not apply, since the entire switchgear needs to	INSTALLATION INSTRUCTIONS
	U	1

#### Resources

Product Range Catalog Switching and protecting <u>motors</u> eaton-dilms-safetycontactor-flyerfl034004en-en-us.pdf eaton-contactors-shorttime-loading-dilmcharacteristic-curve.eps eaton-contactorscomponent-dilmcharacteristic-curve-003.eps eaton-contactors-switch-ACTERISTIC CURVE dilm-characteristic-curve-<u>002.eps</u> eaton-contactors-switchdilm-characteristiccurve.eps eaton-contactors-shorttime-loading-dilmcharacteristic-curve-<u>002.eps</u> DA-DC-00004820.pdf DA-DC-00004779.pdf eaton-contactors-dilmdimensions-003.eps eaton-contactors-dilmdimensions-011.eps

> eaton-contactorsmounting-dilmdimensions-002.eps

eaton-contactorsmounting-dilmdimensions.eps

eaton-contactorscomplete-unit-dilmssafety-3d-drawing.eps

eaton-general-ie-readydilm-contactorstandards.eps

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ASSEMBLIES	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:	Suppressor circuit in actuating electronics Mirror contact
OPERATING FREQUENCY	3600 mechanical Operations/h (DC operated)
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)	8000 V AC
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

INSTALLATION VIDEOS	<u>WIN-WIN with push-in</u> <u>technology</u>
MCAD MODEL	<u>dil m80 150 22.dwg</u>
	<u>dil_m80_150_22.stp</u>
WIRING DIAGRAMS	<u>2100SWI-125</u>

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	7.5 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	25 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	15 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	30 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	60 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	75 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	200 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	80 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	94 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	225 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	9 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	3 W
SWITCHING TIME (DC	45 ms

OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	
SWITCHING TIME (DC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	34 ms
APPLICATION	Contactors for Motors
PRODUCT CATEGORY	Safety contactors
PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
ARCING TIME	15 ms
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
SCREWDRIVER SIZE	0.8 x 5.5/1 x 6 mm, Terminal screw, Control circuit cables, Standard screwdriver 2, Terminal screw, Control circuit cables, Pozidriv screwdriver
	scientariter
VOLTAGE TYPE	DC
VOLTAGE TYPE DEGREE OF PROTECTION	
	DC
DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY	DC IP00
DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY	DC IP00 2
DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED	DC IP00 2 2
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DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS) NUMBER OF MAIN CONTACTS (NORMALLY	DC IP00 2 2 2 2 0 2

RATED BREAKING CAPACITY AT 220/230 V	800 A
RATED BREAKING CAPACITY AT 380/400 V	800 A
RATED BREAKING CAPACITY AT 500 V	800 A
RATED BREAKING CAPACITY AT 660/690 V	650 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
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	0.6 - 0.15 x UC, DC operated At least smoothed two- phase bridge rectifier or three-phase rectifier
OVERVOLTAGE CATEGORY	Ш
DUTY FACTOR	100 %
DUTY FACTOR EMITTED INTERFERENCE	100 % According to EN 60947-1
EMITTED INTERFERENCE INTERFERENCE	According to EN 60947-1
EMITTED INTERFERENCE INTERFERENCE IMMUNITY	According to EN 60947-1 According to EN 60947-1 10,000,000 Operations (DC
EMITTED INTERFERENCE INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL	According to EN 60947-1 According to EN 60947-1 10,000,000 Operations (DC operated)
EMITTED INTERFERENCE INTERFERENCE IMMUNITY LIFESPAN, MECHANICAL PICK-UP VOLTAGE	According to EN 60947-1 According to EN 60947-1 10,000,000 Operations (DC operated) 0.7 - 1.2 V DC x Uc 690 V AC, Between coil and contacts, According to EN 61140 690 V AC, Between the contacts, According to EN

TERMINAL CAPACITY (STRANDED)	2 x (16 - 50) mm², Main cables 1 x (16 - 70) mm², Main cables
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)
TERMINAL CAPACITY (COPPER BAND)	2 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables 2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables 1 x (10 - 70) mm <sup>2</sup> , Main cables 2 x (10 - 50) mm <sup>2</sup> , Main cables
SHOCK RESISTANCE	7 g, N/O auxiliary 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 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 10 g, N/O main 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 when tabletop-mounted, Half- sinusoidal shock 10 ms 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 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables

SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)125 A, Maximum motor rating (UL/CSA)TIGHTENING TORQUE1.2 Nm, Screw terminals, Control circuit cables 14 Nm, Screw terminals, Main cablesRATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX24 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN690 VRATED INSULATION VOLTAGE (UI)690 VRATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V110 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, S00 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, S00 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, S00 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, S00 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, S00 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, S00 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, S00 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-4, S00 V, 230 V, 240 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-4, S00 V, 230 V, 240 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-4, S00 V, 230 V, 240 V80 A	TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 83/0, double 82/0, Main cables 18 - 14, Control circuit cables
TIGHTENING TORQUEControl circuit cables 14 Nm, Screw terminals, Main cablesRATED CONTROL SUPPLY VOLTAGE (US) AT DC- MAX24 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC- MIN24 VRATED CONTROL SUPPLY VOLTAGE (UI)690 VRATED INSULATION (COS PHI TO IEC/EN G0947)690 VRATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V1120 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 	(MAIN CONTACTS,	
VOLTAGE (US) AT DC - MAX24 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN24 VRATED INSULATION VOLTAGE (UI)690 VRATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)1120 ARATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V110 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 400 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 400 V40 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 400 A40 A	TIGHTENING TORQUE	Control circuit cables 14 Nm, Screw terminals,
VOLTAGE (US) AT DC - MIN24 VRATED INSULATION VOLTAGE (UI)690 VRATED MAKING CAPACITY UP TO 690 V 	VOLTAGE (US) AT DC -	24 V
VOLTAGE (UI)690 VRATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)1120 ARATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V110 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 60 A80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V65 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 40 A40 A	VOLTAGE (US) AT DC -	24 V
CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)1120 ARATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V110 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 40 A40 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 40 A40 A		690 V
CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V110 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 60 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 600 V, 690 V65 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V40 A	CAPACITY UP TO 690 V (COS PHI TO IEC/EN	1120 A
CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL 	CURRENT (IE) AT AC-1,	110 A
CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V40 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V40 A	CURRENT (IE) AT AC-3,	80 A
CURRENT (IE) AT AC-3, 440 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V65 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V40 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V40 A	CURRENT (IE) AT AC-3,	80 A
CURRENT (IE) AT AC-3, 500 V80 ARATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V65 ARATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V40 ARATED OPERATIONAL CURRENT (IE) AT AC-4, A A40 A	CURRENT (IE) AT AC-3,	80 A
CURRENT (IE) AT AC-3, 65 A   660 V, 690 V 8   RATED OPERATIONAL 40 A   CURRENT (IE) AT AC-4, 40 A   220 V, 230 V, 240 V 40 A   RATED OPERATIONAL 40 A   CURRENT (IE) AT AC-4, 40 A	CURRENT (IE) AT AC-3,	80 A
CURRENT (IE) AT AC-4, 40 A   220 V, 230 V, 240 V 40 A   RATED OPERATIONAL 40 A   CURRENT (IE) AT AC-4, 40 A	CURRENT (IE) AT AC-3,	65 A
CURRENT (IE) AT AC-4, 40 A	CURRENT (IE) AT AC-4,	40 A
400 V	CURRENT (IE) AT AC-4,	40 A
RATED OPERATIONALCURRENT (IE) AT AC-4,40 A440 V	CURRENT (IE) AT AC-4,	40 A

RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	27 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	110 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	70 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V	110 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	80 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	27.5 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	37 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	48 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	11.5 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	13 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	20 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	24 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	25 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	29 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	26 kW
RATED OPERATIONAL POWER (NEMA)	44.7 kW

RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
<b>RESISTANCE PER POLE</b>	0.6 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	1.5 W
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
STRIPPING LENGTH (MAIN CABLE)	24 mm
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	600 A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA) 600 A, max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	250 A, max. CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	30 kA, CB, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V	250 A gG/gL
SUITABLE FOR	Also motors with efficiency class IE3
SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V	200 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V	160 A gG/gL
SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V	160 A gG/gL
SPECIAL PURPOSE	100 A (600V 60Hz 3phase,

RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS	347V 60Hz 1phase) 100 A (480V 60Hz 3phase, 277V 60Hz 1phase)
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING	80 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 480 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
SPECIAL PURPOSE RATING OF ELEVATOR CONTROL	62.1 A, 200 V 60 Hz 3-ph, (UL/CSA) 25 HP, 240 V 60 Hz 3-ph, (UL/CSA) 65 A, 480 V 60 Hz 3-ph, (UL/CSA) 20 HP, 200 V 60 Hz 3-ph, (UL/CSA) 60 HP, 600 V 60 Hz 3-ph, (UL/CSA) 62 A, 600 V 60 Hz 3-ph, (UL/CSA) 50 HP, 480 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	90 A, FLA 480 V 60 Hz 3phase; (CSA) 540 A, LRA 480 V 60 Hz 3phase; (CSA) 70 A, FLA 600 V 60 Hz 3phase; (CSA) 420 A, LRA 600 V 60 Hz 3phase; (CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	100 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 100 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	100 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 100 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	110 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	98 A
CONVENTIONAL THERMAL CURRENT ITH	90 A

AT 60°C (3-POLE, OPEN)	
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	51 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	58 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	63 kW
ACTUATING VOLTAGE	RDC 24: 24 - 27 V DC
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
OPERATING VOLTAGE AT DC - MIN	24 V
OPERATING VOLTAGE AT DC - MAX	27 V

#### **PROJECT NAME:**

**PROJECT NUMBER:** 

PREPARED BY:

DATE:



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