Eaton 199663

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 5 kW, 1 N/O, 1 NC, 220 V 50/60 Hz, AC operation, Push in terminals

PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	199663
PRODUCT LENGTH/DEPTH	115 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.441 kg
CERTIFICATIONS	IEC/EN 60947 VDE 0660



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.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF	Does not apply, since the entire switchgear needs to

	dil m8 38 pi.dwg
MCAD MODEL	eaton-iec-contactors- mcad-3d-models-dil-m8- 38-pi.stp
	<u>IL034094ZU</u>
	eaton-contactors- dimensions-008.eps

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	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	Is 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.
FITTED WITH:	Mirror contact
OPERATING FREQUENCY	5000 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-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces
CONNECTION	Push in terminals
FRAME SIZE	FS2

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
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	80 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	32 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	37 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	88 A
APPLICATION	Contactors for Motors
PRODUCT CATEGORY	Contactors
PRODUCT CATEGORY PROTECTION	Contactors Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN
PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
PROTECTION ARCING TIME ELECTRICAL CONNECTION TYPE OF	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
PROTECTION ARCING TIME ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) 10 ms Push-in connection 3.0 x 0.5 mm, Terminal screw 3 x 0.5 mm, Terminal
PROTECTION ARCING TIME ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) 10 ms Push-in connection 3.0 x 0.5 mm, Terminal screw 3 x 0.5 mm, Terminal screw
PROTECTION ARCING TIME ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE VOLTAGE TYPE	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) 10 ms Push-in connection 3.0 x 0.5 mm, Terminal screw 3 x 0.5 mm, Terminal screw AC
PROTECTION ARCING TIME ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) 10 ms Push-in connection 3.0 x 0.5 mm, Terminal screw 3 x 0.5 mm, Terminal screw AC IP20
PROTECTION ARCING TIME ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT SCREWDRIVER SIZE VOLTAGE TYPE DEGREE OF PROTECTION NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) 10 ms Push-in connection 3.0 x 0.5 mm, Terminal screw 3 x 0.5 mm, Terminal screw AC IP20

DITTACTS) UMBER OF CONTACTS IORMALLY CLOSED) AS AIN CONTACT UMBER OF CONTACTS IORMALLY OPEN DITTACTS UMBER OF MAIN DISTACTS (NORMALLY PEN CONTACT) ATED CONTROL SUPPLY DITTAGE (US) AT AC, 50 Z- MAX ATED CONTROL SUPPLY DITTAGE (US) AT AC, 50 Z- MIN ATED CONTROL SUPPLY DITTAGE (US) AT AC, 60 Z- MIN ATED CONTROL SUPPLY DITTAGE (US) AT AC, 60 Z- MIN ATED CONTROL SUPPLY DITTAGE (US) AT AC, 60 Z- MIN AC Operated: 0.6 - 0.3 x UC, AC operated WERVOLTAGE ATEGORY UTY FACTOR IN MITTED INTERFERENCE INJUNITY ACCORDING to EN 60947-1 TERFERENCE IMUNITY ACCORDING to EN 60947-1 10,000,000 Operations (AC operated) CK-UP VOLTAGE ONER CONSUMPTION, CK-UP, 50 HZ AFE ISOLATION AFE ISOLATION AFE ISOLATION S VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between coil and contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us		
AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 50 Z- MIN ATED CONTROL SUPPLY DITAGE (US) AT AC, 50 Z- MIN ATED CONTROL SUPPLY DITAGE (US) AT AC, 50 Z- MIN ATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN ATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN ATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN ATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN ATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z- MIN AC OPERATED CONTROL SUPPLY DITAGE (US) ACCORDING (AC OPERATED (US) ACCORDING (US) A	(NORMALLY CLOSED CONTACTS)	
INTERPERENCE INTER	NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
DINTACTS (NORMALLY PEN CONTACT) ATED CONTROL SUPPLY DILTAGE (US) AT AC, 50 Z - MAX ATED CONTROL SUPPLY DILTAGE (US) AT AC, 50 Z - MIN ATED CONTROL SUPPLY DILTAGE (US) AT AC, 60 Z - MIN ATED CONTROL SUPPLY DILTAGE (US) AT AC, 60 Z - MAX ATED CONTROL SUPPLY DILTAGE (US) AT AC, 60 Z - MIN ACOPETAGE (US) ACOPETAGE	NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
ATED CONTROL SUPPLY OLTAGE (US) AT AC, 50 Z - MAX ATED CONTROL SUPPLY OLTAGE (US) AT AC, 50 Z - MIN ATED CONTROL SUPPLY OLTAGE (US) AT AC, 60 Z - MAX ATED CONTROL SUPPLY OLTAGE (US) AT AC, 60 Z - MAX ATED CONTROL SUPPLY OLTAGE (US) AT AC, 60 Z - MIN AC operated: 0.6 - 0.3 x UC, AC operated WERVOLTAGE WERVOLTAGE WILL MITTED INTERFERENCE MUNITY ACCORDING to EN 60947-1 ITERFERENCE MUNITY ACCORDING to EN 60947-1 ITERFERENCE MUNITY ACCORDING to EN 60947-1 10,000,000 Operations (AC operated) CK-UP VOLTAGE OWER CONSUMPTION, CK-UP, 50 HZ AFE ISOLATION AFE ISOLATION OWER CONSUMPTION, CK-UP, 60 HZ ACCORDING TO EN 60947-1 10,000,000 Operations (AC operated) 10,000,000 Ope	NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
DITAGE (US) AT AC, 50 Z - MIN ATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z - MAX ATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z - MAX ACOPOUT VOLTAGE ACOPERATED VERVOLTAGE ATEGORY UTY FACTOR ACCORDING to EN 60947-1 ITERFERENCE IMUNITY FESPAN, MECHANICAL CK-UP VOLTAGE OWER CONSUMPTION, CK-UP, 50 HZ AFE ISOLATION DESCRIPTION AFE ISOLATION DESCRIPTION CK-UP, 60 HZ 220 V 240 Coperated: 0.6 - 0.3 x	RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	220 V
DITAGE (US) AT AC, 60 Z - MAX ATED CONTROL SUPPLY DITAGE (US) AT AC, 60 Z - MIN ROP-OUT VOLTAGE VERVOLTAGE ATEGORY JUTY FACTOR MITTED INTERFERENCE IMUNITY FESPAN, MECHANICAL CK-UP VOLTAGE OWER CONSUMPTION, CK-UP, 50 HZ AFE ISOLATION DITAGE (US) AT AC, 60 220 V 24 V 40 9 % 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 20 V AC, Dual-frequency coil in a cold state and 1.0 x Us	RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	220 V
AC operated: 0.6 - 0.3 x UC, AC operated WERVOLTAGE ATEGORY JUTY FACTOR MITTED INTERFERENCE IMUNITY According to EN 60947-1 10,000,000 Operations (AC operated) CK-UP VOLTAGE OWER CONSUMPTION, CK-UP, 50 HZ AFE ISOLATION AFE ISOLATION DWER CONSUMPTION, CK-UP, 60 HZ ACCORDINATION ACCORDINATI	RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	220 V
VERVOLTAGE ATEGORY JTY FACTOR MITTED INTERFERENCE IMUNITY FESPAN, MECHANICAL CK-UP VOLTAGE OWER CONSUMPTION, CK-UP, 50 HZ AFE ISOLATION AFE ISOLATION OWER CONSUMPTION, CK-UP, 60 HZ OUC, AC operated UC, AC operated III According to EN 60947-1 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil in a cold state and 1.0 x Us	RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	220 V
ATEGORY UTY FACTOR 100 % According to EN 60947-1 ITERFERENCE IMUNITY According to EN 60947-1 10,000,000 Operations (AC operated) CK-UP VOLTAGE 10,000,000 Operations (AC operated) CK-UP VOLTAGE 10,000,000 Operations (AC operated) 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us OWER CONSUMPTION, CK-UP, 60 HZ OWER CONSUMPTION, CK-UP, 60 HZ 62 VA, Dual-frequency coil in a cold state and 1.0 x Us	DROP-OUT VOLTAGE	The state of the s
ACCORDING TO EN 60947-1 ACCORDING TO EN 60947-1 ACCORDING TO EN 60947-1 10,000,000 Operations (AC operated) CK-UP VOLTAGE 10,000,000 Operations (AC operated) CK-UP VOLTAGE 0.8 - 1.1 V AC x Uc 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us OWER CONSUMPTION, CK-UP, 60 HZ 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil in a cold state and 1.0 x Us	OVERVOLTAGE CATEGORY	III
According to EN 60947-1 10,000,000 Operations (AC operated) CK-UP VOLTAGE 0.8 - 1.1 V AC x Uc 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil in a cold state and 1.0 x Us	DUTY FACTOR	100 %
According to EN 60947-1 10,000,000 Operations (AC operated) CK-UP VOLTAGE 0.8 - 1.1 V AC x Uc 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 63 VA, Dual-frequency coil in a cold state and 1.0 x Us 64 VA, Dual-frequency coil in a cold state and 1.0 x Us 65 VA, Dual-frequency coil in a cold state and 1.0 x Us	MITTED INTERFERENCE	According to EN 60947-1
CK-UP VOLTAGE 0.8 - 1.1 V AC x Uc 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil	NTERFERENCE MMUNITY	According to EN 60947-1
DWER CONSUMPTION, CK-UP, 50 HZ 62 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil	LIFESPAN, MECHANICAL	·
in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil	PICK-UP VOLTAGE	0.8 - 1.1 V AC x Uc
AFE ISOLATION AFE IS	POWER CONSUMPTION,	
contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140 58 VA, Dual-frequency coil in a cold state and 1.0 x Us 62 VA, Dual-frequency coil	PICK-UP, 50 HZ	
in a cold state and 1.0 x Us CK-UP, 60 HZ in a cold state and 1.0 x Us 62 VA, Dual-frequency coil	SAFE ISOLATION	contacts, According to EN 61140 400 V AC, Between coil and contacts, According to
62 VA, Dual-frequency coil	POWER CONSUMPTION,	
	FICK-UP, 00 M2	

POWER CONSUMPTION, SEALING, 50 HZ	2.1 W, Dual-frequency coil in a cold state and 1.0 x Us
POWER CONSUMPTION, SEALING, 60 HZ	9.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 2.1 W, Dual-frequency coil in a cold state and 1.0 x Us 6.5 VA, Dual-frequency coil in a cold state and 1.0 x Us Us, at 60 Hz
TERMINAL CAPACITY (FLEXIBLE WITH UNISOLATED FERRULE)	1 x (0.75 - 2.5) mm², Main cables 2 x (0.75 - 2.5) mm², Main cables 1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.5 - 2.5) mm², Control circuit cables 1 x (0.5 - 2.5) mm², Control circuit cables 2 x (0.5 - 2.5) mm², Control circuit cables 1 x (1 - 6) mm², Main cables 2 x (1 - 6) mm², Main cables
TERMINAL CAPACITY (FLEXIBLE WITH ULTRASONIC WELDED CABLE END)	1 x (0.75 - 2.5) mm², Main cables 2 x (0.75 - 2.5) mm², Main cables 1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.5 - 2.5) mm², Control circuit cables 1 x (0.5 - 2.5) mm², Control circuit cables 2 x (0.5 - 2.5) mm², Control circuit cables 1 x (1 - 10) mm², Main cables 2 x (1 - 6) mm², Main cables
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm ² 2 x (0.75 - 2.5) mm ²
SHOCK RESISTANCE	7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Halfsinusoidal shock 10 ms 5 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 6.5 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms 8 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms 2 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Halfsinusoidal shock 10 ms
1 x (0.5 - 0.25) mm ² 1 x (1 - 6) mm ² 2 x (1 - 6) mm ² 2 x (0.5 - 2.5) mm ² , Control circuit cables
20 - 14 18 - 8, Main cables
1 x (1 - 10) mm ² 2 x (1-6) mm ² 1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ²
0 V
0 V
690 V
40 A
11 A
11 A
11 A
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 POWER AT AC-3, 240 V, 50 HZ	2.6 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 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)	0 kW

RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	22 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	16 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	14 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN	8 ms
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	5 kA, 125 A max. fuse CLASS RK5, SCCR (UL/CSA) 5 kA, 125 A max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	100 kA, 70 A CLASS J max. fuse, SCCR (UL/CSA) 30 kA, 30 A CLASS RK5, SCCR (UL/CSA) 65 kA, 32 A max. CB, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	100 kA, 70 A CLASS J max. fuse, SCCR (UL/CSA) 30 kA, 30 A CLASS RK5, SCCR (UL/CSA)
SUITABLE FOR	Also motors with efficiency class IE3
OPERATING VOLTAGE AT AC, 50 HZ - MIN	24 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	690 V
OPERATING VOLTAGE AT	24 V
AC, 60 HZ - MIN	

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
:	



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