Specifications

Photo is representative

Eaton 112433

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 18.5 kW, 1 N/O, 42 V 50/60 Hz, AC operation, Screw terminals

General specification	ons
PRODUCT NAME	Eaton Moeller® series DILM contactor
CATALOG NUMBER	112433
MODEL CODE	DILM38-10(42V50/60HZ)
EAN	4015081119912
PRODUCT LENGTH/DEPTH	97 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.428 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	UL 508 IEC 60947-4-1 CSA Std. C22.2 No. 14-05 EN 60947-4-1 VDE IEC/EN 60947-4-1 CSA Class No.: 2411-03, 3211-04 UL CSA UL 60947-4-1 UL File No.: E29096 UL Category Control No.: NLDX VDE 0660 CSA-C22.2 No. 60947-4-1-14 CE CSA File No.: 012528 IEC/EN 60947
CATALOG NOTES	Contacts according to EN 50012
GLOBAL CATALOG	112433



Product specification ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Screw connection
AMPERAGE RATING	38A
NUMBER OF POLES	Three-pole
VOLTAGE RATING	42 V
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.

Resources	
	SmartWire-DT Catalog
CATALOGS	eaton-product-overview- for-machinery-catalogue- ca08103003zen-en-us.pdf
	Product Range Catalog Switching and protecting motors
	eaton-contactors- component-dilm- characteristic-curve- 003.eps
CHARACTERISTIC CURVE	eaton-contactors-switch- dilm-characteristic- curve.eps
	eaton-contactors-switch- dilm-characteristic-curve- 002.eps
DECLARATIONS OF	DA-DC-00004816.pdf
CONFORMITY	DA-DC-00004783.pdf
	eaton-contactors-contact- dimensions-210x202.eps
	eaton-contactors- dimensions-210t014.eps
	eaton-contactors-
DRAWINGS	mounting-dilm- dimensions-002.eps
	eaton-contactors- mounting-dilm- dimensions.eps
	eaton-contactors-dilm-3d-drawing-009.eps
ECAD MODEL	ETN.112433.edz
INSTALLATION INSTRUCTIONS	IL03407014Z2021_09.pdf
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CS-dil_m17_38
	DA-CD-dil m17 38
SYSTEM OVERVIEW	eaton-contactors-dilm- contactor-system- overview.eps
WIRING DIAGRAMS	eaton-contactors-contact- dilm-wiring-diagram.eps

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 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	ls the panel builder's responsibility.
FREQUENCY RATING	50-60 Hz
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-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
FRAME SIZE	FS2
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
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	10 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	20 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	25 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	9.3 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	3.1 W
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	2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
VOLTAGE TYPE	AC
DEGREE OF PROTECTION	IP00
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF MAIN	
CONTACTS (NORMALLY OPEN CONTACT)	3
CONTACTS (NORMALLY	3 60 °C
CONTACTS (NORMALLY OPEN CONTACT) OPERATING	
CONTACTS (NORMALLY OPEN CONTACT) OPERATING TEMPERATURE - MAX OPERATING	60 °C

RATED BREAKING CAPACITY AT 500 V	320 A
RATED BREAKING CAPACITY AT 660/690 V	180 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	42 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	42 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	42 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	42 V
CONTACT CONFIGURATION	1 NO
DROP-OUT VOLTAGE	AC operated: 0.6 - 0.3 x UC, AC operated
OVERVOLTAGE CATEGORY	III
DUTY FACTOR	100 %
EMITTED INTERFERENCE	According to EN 60947-1
INTERFERENCE IMMUNITY	According to EN 60947-1
LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated) 7,000,000 Operations (Coil 50/60 Hz)
PICK-UP VOLTAGE	0.8 - 1.1 V AC x Uc
POWER CONSUMPTION,	58 VA, Dual-frequency coil in a cold state and 1.0 x Us
PICK-UP, 50 HZ	62 VA, Dual-frequency coil in a cold state and 1.0 x Us
SAFE ISOLATION	440 V AC, Between coil and contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 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
SCREW SIZE	M3.5, Terminal screw, Control circuit cables M5, Terminal screw, Main

DOWED CONCUMPTION	cables
POWER CONSUMPTION, SEALING, 50 HZ	2.1 W, Dual-frequency coil in a cold state and 1.0 x Us
	2.1 W, Dual-frequency coil in a cold state and 1.0 x Us
POWER CONSUMPTION, SEALING, 60 HZ	6.5 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 9.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
TERMINAL CAPACITY (STRANDED)	1 x 16 mm², Main cables
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10 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 (FLEXIBLE WITH FERRULE)	2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 16) mm², Main cables 2 x (0.75 - 10) mm², Main cables 1 x (0.75 - 2.5) mm², Control circuit cables
SHOCK RESISTANCE	5.3 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletopmounted, Half-sinusoidal shock 10 ms 7 g, N/O 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, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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 3.5 g, N/C auxiliary contact, Mechanical,

	according to IEC/EN 60068-2-27 when tabletop- mounted, Half-sinusoidal shock 10 ms
TERMINAL CAPACITY (SOLID)	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 1 x (0.75 - 4) mm², Control circuit 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	3.2 Nm, Screw terminals,Main cables1.2 Nm, Screw terminals,Control circuit cables
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED INSULATION VOLTAGE (UI)	690 V
RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)	384 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	38 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	38 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	38 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	38 A
RATED OPERATIONAL	22.5 A

CURRENT (IE) AT AC-3, 660 V, 690 V	
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	15 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	12 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)	38 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	12 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	18.5 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	20 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	4 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	4.5 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	7.5 kW

RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ RATED OPERATIONAL POWER (NEMA) RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX RESISTANCE PER POLE STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS STRIPPING LENGTH (CONTROL CIRCUIT CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, COPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10 kW 10 kW 14 y kW 14 y kW 10 kW 14 y kW 10 kW 14 y kW 10 kW 14 y kW 2.7 mΩ 2.1 W 2.1 W 2.2 ms 10 mm 4 ms 10 mm 5 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10 kW 1		
POWER AT AC-4, 500 V, 50 HZ RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ RATED OPERATIONAL POWER (NEMA) RATED OPERATIONAL POWER (NEMA) RATED OPERATIONAL VOLTAGE (UE) AT AC-MAX RESISTANCE PER POLE 2.7 mΩ STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS STRIPPING LENGTH (CONTROL CIRCUIT CABLE) STRIPPING LENGTH (MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING (AC OPERATED, MAKE CONTAC	POWER AT AC-4, 440 V, 50	8 kW
POWER AT AC-4, 660/690 V, 50 HZ RATED OPERATIONAL POWER (NEMA) RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX RESISTANCE PER POLE STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS STRIPPING LENGTH (CONTROL CIRCUIT CABLE) STRIPPING LENGTH (MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR	POWER AT AC-4, 500 V, 50	9 kW
POWER (NEMA) RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX RESISTANCE PER POLE STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS STRIPPING LENGTH (CONTROL CIRCUIT CABLE) STRIPPING LENGTH (MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) 14.9 kW 690 V 690	POWER AT AC-4, 660/690	10 kW
VOLTAGE (UE) AT AC - MAX 690 V RESISTANCE PER POLE 2.7 mΩ STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS 2.1 W STRIPPING LENGTH (CONTROL CIRCUIT CABLE) 10 mm STRIPPING LENGTH (MAIN CABLE) 10 mm SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX 22 ms SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN 14 ms SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX 8 ms SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN 8 ms SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 5 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) 50/32 A, max. CB, SCCR		14.9 kW
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS STRIPPING LENGTH (CONTROL CIRCUIT CABLE) STRIPPING LENGTH (MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) 50/32 A, max. CB, SCCR	VOLTAGE (UE) AT AC -	690 V
DISSIPATION, NON- CURRENT-DEPENDENT PVS STRIPPING LENGTH (CONTROL CIRCUIT CABLE) STRIPPING LENGTH (MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR	RESISTANCE PER POLE	$2.7~\text{m}\Omega$
(CONTROL CIRCUIT CABLE) STRIPPING LENGTH (MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR	DISSIPATION, NON- CURRENT-DEPENDENT	2.1 W
(MAIN CABLE) SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) 10 mm 22 ms 14 ms 15 ms 14 ms 14 ms 15 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR	(CONTROL CIRCUIT	10 mm
OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR		10 mm
OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) 16 ms 14 ms 14 ms 15 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR	OPERATED, MAKE CONTACTS, CLOSING	22 ms
OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) 14 ms 14 ms 14 ms 15 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR	OPERATED, MAKE CONTACTS, CLOSING	16 ms
OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN SHORT-CIRCUIT CURRENT RATING (BASIC RATING) SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) 8 ms 5 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR	OPERATED, MAKE CONTACTS, OPENING	14 ms
SHORT-CIRCUIT CURRENT RATING (BASIC RATING) 125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. 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	OPERATED, MAKE CONTACTS, OPENING	8 ms
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR		125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR
	RATING (HIGH FAULT AT	Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR

SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SPECIAL PURPOSE A0 A (600V 60Hz 3phase, 347V 60Hz 1phase) ELECTRICAL DISCHARGE LAMPS 32 A, FLA 480 V 60 Hz 3-
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS (UL/CSA) 125 A, Class J, max. Fuse, SCCR (UL/CSA) 10/22 kA, CB, SCCR (UL/CSA) 10/24 kA GB/gL 43 A gG/gL 43 A gG/gL 44 A GB/gL 44 A
PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS 125 A gG/gL 63 A gG/gL 43 A gG/gL 40 A (600V 60Hz 3phase, 347V 60Hz 1phase) 40 A (480V 60Hz 3phase, 277V 60Hz 1phase)
PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS 63 A gG/gL 63 A gG/gL 40 A (600V 60Hz 3phase, 347V 60Hz 1phase) 40 A (480V 60Hz 3phase, 277V 60Hz 1phase)
PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS 63 A gG/gL 35 A gG/gL 40 A (600V 60Hz 3phase, 347V 60Hz 1phase) 40 A (480V 60Hz 3phase, 277V 60Hz 1phase)
PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS A GOOV 60Hz 3phase, 347V 60Hz 1phase) 40 A (480V 60Hz 3phase, 277V 60Hz 1phase)
RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS 347V 60Hz 1phase) 40 A (480V 60Hz 3phase, 277V 60Hz 1phase)
32 V EI V V8U N 20 H 2
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING PURPOSE RATING PURPOSE RATING PURPOSE RATING S2 A, PLA 480 V 60 H2 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 192 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
7.5 HP, 200 V 60 Hz 3-ph, (UL/CSA) 27 A, 480 V 60 Hz 3-ph, (UL/CSA) 20 HP, 480 V 60 Hz 3-ph, (UL/CSA) 20 HP, 600 V 60 Hz 3-ph, (UL/CSA) 20 HP, 600 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 240 V 60 Hz 3-ph, (UL/CSA) 32 A, 600 V 60 Hz 3 ph
22 A, 600 V 60 Hz 3-ph, (UL/CSA) 25.3 A, 200 V 60 Hz 3-ph, (UL/CSA) 22 A, 240 V 60 Hz 3-ph, (UL/CSA)

RATING OF REFRIGERATION CONTROL (CSA ONLY)	3phase; (CSA) 30 A, FLA 600 V 60 Hz 3phase; (CSA) 240 A, LRA 480 V 60 Hz 3phase; (CSA) 40 A, FLA 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, 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)
OPERATING TEMPERATURE	-25° to 60°C
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	21 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	24 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	21 kW
ACTUATING VOLTAGE	42 V 50/60 Hz
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:	



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