Specifications



Photo is representative

Eaton 276864

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 5.5 kW, 1 NC, 220 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals

General specifications Eaton Moeller® series **PRODUCT NAME DILM** contactor **CATALOG NUMBER** 276864 DILM12-**MODEL CODE** 01(220V50HZ,240V60HZ) EAN 4015082768645 PRODUCT 75 mm LENGTH/DEPTH **PRODUCT HEIGHT** 68 mm PRODUCT WIDTH 45 mm **PRODUCT WEIGHT** 0.24 kg CSA File No.: 012528 IEC/EN 60947 CSA-C22.2 No. 60947-4-1-14 UL File No.: E29096 UL Category Control No.: NLDX CERTIFICATIONS UL 60947-4-1 CSA Class No.: 2411-03, 3211-04 CSA UL CE IEC/EN 60947-4-1 VDE 0660 Contacts according to EN **CATALOG NOTES** 50012 276864 **GLOBAL CATALOG**







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

CATALOGS

eaton-product-overviewfor-machinery-catalogueca08103003zen-en-us.pdf

SmartWire-DT Catalog

Product Range Catalog Switching and protecting motors eaton-contactorscomponent-dilm-

characteristic-curve-003.eps

dilm-characteristic-

<u>002.eps</u>

CHARACTERISTIC CURVE

<u>curve.eps</u> <u>eaton-contactors-switch-</u> <u>dilm-characteristic-curve-</u>

DA-DC-00004810.pdf

DA-DC-00004792.pdf

eaton-contactors-switch-

DECLARATIONS OF CONFORMITY

UNFORMITY

eaton-contactorsmounting-dilmdimensions-002.eps

eaton-contactorsmounting-dilmdimensions.eps

eaton-contactors-framedilm-dimensions.eps

DRAWINGS

dilm-dimensions.eps eaton-contactors-module-

eaton-contactors-module-

dilm-dimensions-002.eps

eaton-general-ie-readydilm-contactorstandards.eps

eaton-contactors-dilm-3ddrawing-007.eps

DA-CD-dil_m7_15

ECAD MODELETN.276864.edzINSTALLATION
INSTRUCTIONSeaton-contactors-dila-
dilm7-15-dilmp20-
instruction-leaflet-
il03407013z.pdfINSTALLATION VIDEOSWIN-WIN with push-in
technology

MCAD MODEL

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	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:	Mirror contact
OPERATING FREQUENCY	9000 mechanical Operations/h (AC operated)
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
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

	DA-CS-dil m7 15
SYSTEM OVERVIEW	<u>eaton-contactors-dilm-</u> <u>contactor-system-</u> <u>overview.eps</u>
WIRING DIAGRAMS	<u>2100SWI-117</u>

FRAME SIZE	FS1
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	1 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	3 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	2 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	3 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	10 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	10 HP
CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)	45 A
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	18 A
CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)	21 A
CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	50 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W

HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.3 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	0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver
VOLTAGE TYPE	AC
DEGREE OF PROTECTION	IP20
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	3
RATED BREAKING CAPACITY AT 220/230 V	120 A
RATED BREAKING CAPACITY AT 380/400 V	120 A
RATED BREAKING CAPACITY AT 500 V	100 A
RATED BREAKING CAPACITY AT 660/690 V	70 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	220 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	220 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	240 V
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)
PICK-UP VOLTAGE	0.8 - 1.1 V AC x Uc
POWER CONSUMPTION, PICK-UP, 50 HZ	24 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
SAFE ISOLATION	400 V AC, Between the contacts, According to EN 61140 400 V AC, Between coil and contacts, According to EN 61140
POWER CONSUMPTION, PICK-UP, 60 HZ	30 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
SCREW SIZE	M3.5, Terminal screw
POWER CONSUMPTION, SEALING, 50 HZ	1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
POWER CONSUMPTION, SEALING, 60 HZ	1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 4.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS,	P300, DC operated (UL/CSA)

PILOT DUTY)	A600, AC operated (UL/CSA)
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (0.75 - 2,5) mm ² 1 x (0.75 - 2.5) mm ² 2 x (0.75 - 2.5) mm ²
SHOCK RESISTANCE	5.7 g, N/O main 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 3.4 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop- mounted, Half-sinusoidal shock 10 ms 7 g, N/O auxiliary 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 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 3.4 g, N/O 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 - 2.5) mm² 1 x (0.75 - 4) mm²
TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 18 - 10, double 18 - 14
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	20 A, Maximum motor rating (UL/CSA)
TIGHTENING TORQUE	1.2 Nm, Screw terminals
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	144 A

60947)	
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	22 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	12 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	12 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V	12 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	10 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V	7 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V	5 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V	20 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V	15 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V	20 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	12 A
RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ	4 kW
RATED OPERATIONAL	5.5 kW

POWER AT AC-3, 380/400 V, 50 HZ	
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	2 kW
RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ	2.2 kW
RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ	3 kW
RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ	3.4 kW
RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ	3.6 kW
RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ	3.5 kW
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	4.4 kW
RATED OPERATIONAL POWER (NEMA)	7.4 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RESISTANCE PER POLE	2.5 mΩ
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	1.4 W
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	10 mm
STRIPPING LENGTH (MAIN CABLE)	10 mm
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	21 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	15 ms
SWITCHING TIME (AC	18 ms

OPERATED, MAKE CONTACTS, OPENING DELAY) - MAXSelectionSWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN9 msSHORT-CIRCUIT CURRENT RATING (BASIC RATING)5 kA, SCCR (UL/CSA) 45 A, max. Fuse, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 800 V)30/100 kA, Fuse, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)30/100 kA, Fuse, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 800 V)30/100 kA, Fuse, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)35 A gG/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) A T 400 V35 A gG/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) A T 690 V20 A (GOUV 60HZ 3phase, 347V 60HZ 1phase) 20 A (480V 60HZ 3phase, 347V 60HZ 1phase)SPECIAL PURPOSE RATING OF BALLAST PURPOSE RATING OF BELEVATOR11 A, 480 V 60 HZ 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)SPECIAL PURPOSE RATING OF BELEVATOR11 A, 480 V 60 HZ 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) <th></th> <th></th>		
OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN9 msSHORT-CIRCUIT CURRENT RATING (BASIC RATING)5 kA, SCCR (UL/CSA) 45 A, max. Fuse, SCCR (UL/CSA) 60 A, max. CB, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)30/100 kA, Fuse, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)30/100 kA, Fuse, SCCR (UL/CSA) 25 A, Class RK5/ 45 A Class 25 A, Class RK5/ 45 A, Class 26 A, Class RK5/ 45 A, Class 25 A, G/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 VAlso motors with efficiency class IE3SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V20 A gG/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 609 V20 A (600V 60Hz 3phase, 347V 60Hz 1phase) 247V 60Hz 1phase) 277V 60Hz 1phase) 277V 60Hz 1phase) 277V 60Hz 1phase) 20 A (480V 60Hz 3phase, 277V 60Hz 1phase) 277V 60Hz 1phase) 20 A (480V 60Hz 3phase, 277V 60Hz 1phase) 20 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, UL/CSA)SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING OF DEFINITE PURPOSE RATING OF DEFINITE PURPOSE ATING OF DEFINITE PURPOSE11 A, 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, UL/CSA)	CONTACTS, OPENING	
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)45 A, max. Fuse, SCCR (UL/CSA) 60 A, max. CB, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)30/100 kA, Fuse, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)30/100 kA, Fuse, SCCR (UL/CSA)SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V30/100 kA, Fuse, SCCR (UL/CSA)SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 VAlso motors with efficiency class IE3SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 VShogf/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 VShogf/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) A 690 VShogf/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) A 690 VShogf/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) A 690 VShogf/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) <th>OPERATED, MAKE CONTACTS, OPENING</th> <th>9 ms</th>	OPERATED, MAKE CONTACTS, OPENING	9 ms
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)(UL/CSA) 25 A, Class RK5/ 45 A Class J, max. Fuse, SCCR (UL/CSA)SHORT-CIRCUIT CURRENT 600 V)30/100 kA, Fuse, SCCR 		45 A, max. Fuse, SCCR (UL/CSA) 60 A, max. CB, SCCR
SHORT-CIRCUIT CURRENT 600 V)(UL/CSA) 25 A, Class RK5/45 A, Class l, max. Fuse, SCCR (UL/CSA)SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) 	RATING (HIGH FAULT AT	(UL/CSA) 25 A, Class RK5/ 45 A Class J, max. Fuse, SCCR
PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V35 A gG/gLSUITABLE FORAlso motors with efficiency class IE3SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V25 A gG/gLSHORT-CIRCUIT 	RATING (HIGH FAULT AT	(UL/CSA) 25 A, Class RK5/45 A, Class J, max. Fuse, SCCR
SUITABLE FORclass IE3SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V25 A gG/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V20 A gG/gLSHORT-CIRCUIT 	PROTECTION RATING (TYPE 1 COORDINATION)	35 A gG/gL
PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V25 A gG/gLSHORT-CIRCUIT PROTECTION RATING 		
PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V20 A gG/gLSHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V20 A gG/gLSPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS20 A (600V 60Hz 3phase, 347V 60Hz 1phase) 20 A (480V 60Hz 3phase, 277V 60Hz 1phase)SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING OF DEFINITE PURPOSE RATING72 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 12 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)SPECIAL PURPOSE11 A, 480 V 60 Hz 3-ph,	SUITABLE FOR	•
PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V20 A gG/gLSPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS20 A (600V 60Hz 3phase, 347V 60Hz 1phase) 20 A (480V 60Hz 3phase, 277V 60Hz 1phase)SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING72 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 12 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)SPECIAL PURPOSE RATING11 A, 480 V 60 Hz 3-ph, ph, 100,000 cycles acc. to UL 1995, (UL/CSA)	SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION)	class IE3
RATING OF BALLAST ELECTRICAL DISCHARGE347V 60Hz 1phase) 20 A (480V 60Hz 3phase, 277V 60Hz 1phase)SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING72 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to 	SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION)	class IE3 25 A gG/gL
SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATINGph, 100,000 cycles acc. to UL 1995, (UL/CSA) 12 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA)SPECIAL PURPOSE11 A, 480 V 60 Hz 3-ph,	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)	class IE3 25 A gG/gL 20 A gG/gL
•	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	class IE3 25 A gG/gL 20 A gG/gL 20 A gG/gL 20 A (600V 60Hz 3phase, 347V 60Hz 1phase) 20 A (480V 60Hz 3phase,
	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	class IE3 25 A gG/gL 20 A gG/gL 20 A gG/gL 20 A (600V 60Hz 3phase, 347V 60Hz 1phase) 20 A (480V 60Hz 3phase, 277V 60Hz 1phase)

CONTROL	7.5 HP, 600 V 60 Hz 3-ph, (UL/CSA) 9 A, 600 V 60 Hz 3-ph, (UL/CSA) 6.8 A, 240 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 480 V 60 Hz 3-ph, (UL/CSA) 7.8 A, 200 V 60 Hz 3-ph, (UL/CSA) 2 HP, 200 V 60 Hz 3-ph, (UL/CSA) 2 HP, 240 V 60 Hz 3-ph, (UL/CSA)
SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)	10 A, FLA 600 V 60 Hz 3phase; (CSA) 60 A, LRA 480 V 60 Hz 3phase; (CSA) 60 A, LRA 600 V 60 Hz 3phase; (CSA) 10 A, FLA 480 V 60 Hz 3phase; (CSA)
SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING	20 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 20 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS	14 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 14 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)	22 A
CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)	21 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	20 A
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	7.5 kW
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	7 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	6.5 kW
ACTUATING VOLTAGE	220 V 50 Hz, 240 V 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:



Eaton Corporation plc Eaton House 30 Pembroke Road Dublin 4, Ireland Eaton.com

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