DATASHEET - DILM115-22(RAC240)

Contactor, 380 V 400 V 55 kW, 2 N/O, 2 NC, RAC 240: 190 - 240 V 50/60 Hz, AC operation, Screw terminals



Part no.	DILM115-22(RAC240)
	239578
EL Number	4110247
(Norway)	

General specifications

General specifications	
Product name	Eaton Moeller® series DILM contactor
Part no.	DILM115-22(RAC240)
EAN	4015082395780
Product Length/Depth	175 millimetre
Product height	170 millimetre
Product width	90 millimetre
Product weight	2.31 kilogram
Certifications	UL IEC/EN 60947 CSA Class No.: 2411-03, 3211-04 CSA-C22.2 No. 60947-4-1-14 IEC/EN 60947-4-1 VDE 0660 CSA CSA File No.: 012528 UL 60947-4-1 CE UL Category Control No.: NLDX UL File No.: E29096
Product Tradename	DILM
Product Type	Contactor
Product Sub Type	None
Catalog Notes	Contacts according to EN 50012
Features & Functions	
Fitted with:	Mirror contact Suppressor circuit in actuating electronics
General information	
Application	Contactors for Motors
Degree of protection	IP00
Lifespan, mechanical	10,000,000 Operations (AC operated) 7,000,000 Operations (Coil 50/60 Hz)
Operating frequency	3600 mechanical Operations/h (AC operated)
Overvoltage category	
Pollution degree	3
Product category	Contactors
Protection	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
Rated impulse withstand voltage (Uimp)	8000 V AC
Residual current	1 mA (with actuation of A1 - A2 by the electronics with "0" signal)
Resistance per pole	0.6 mΩ
Suitable for	Also motors with efficiency class IE3
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
Voltage type	AC
Ambient conditions, mechanical	
Shock resistance	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 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 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, 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
Climatic environmental conditions	
Altitude	Max. 2000 m
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	60 °C
Ambient operating temperature (enclosed) - min	25 °C
	40 °C
Ambient operating temperature (enclosed) - max	
Ambient storage temperature - min	40 °C
Ambient storage temperature - max	80 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Electro magnetic compatibility	
Emitted interference	According to EN 60947-1
Interference immunity	According to EN 60947-1
Terminal capacities	
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)	2 x (0.75 - 2.5) mm², Control circuit cables 2 x (10 - 70) mm², Main cables 1 x (0.75 - 4) mm², Control circuit cables 1 x (10 - 95) mm², Main cables
Terminal capacity (solid)	1 x (0.75 - 2.5) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables
Terminal capacity (solid/stranded AWG)	18 - 14, Control circuit cables Single 83/0, double 82/0, Main cables
Terminal capacity (stranded)	1 x (16 - 95) mm², Main cables 2 x (16 - 70) mm², Main cables
Stripping length (main cable)	24 mm
Stripping length (control circuit cable)	10 mm
Screw size	5 mm AF, Hexagon socket-head spanner, Terminal screw, Main cables M10, Terminal screw, Main cables M3.5, Terminal screw, Control circuit cables
Screwdriver size	2, Terminal screw, Control circuit cables, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Control circuit cables, Standard screwdriver
Tightening torque	14 Nm, Screw terminals, Main cables 1.2 Nm, Screw terminals, Control circuit cables
Electrical rating	
Rated breaking capacity at 220/230 V	1150 A
Rated breaking capacity at 380/400 V	1150 A
Rated breaking capacity at 500 V	1150 A
Rated breaking capacity at 660/690 V	1100 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	160 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	115 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	115 A
Rated operational current (Ie) at AC-3, 440 V	115 A
Rated operational current (le) at AC-3, 500 V	115 A
Rated operational current (le) at AC-3, 660 V, 690 V	93 A
Rated operational current (Ie) at AC-4, 220 V, 230 V, 240 V	55 A
Rated operational current (Ie) at AC-4, 440 V	55 A
Rated operational current (Ie) at AC-4, 500 V	55 A
Rated operational current (Ie) at AC-4, 660 V, 690 V	45 A
Rated operational current (le) at DC-1, 60 V	160 A
	160 A
Rated operational current (le) at DC-1, 110 V	
Rated operational current (Ie) at DC-1, 220 V	90 A
Rated insulation voltage (Ui)	690 V
Rated making capacity up to 690 V (cos phi to IEC/EN 60947)	1610 A
Rated operational power at AC-3, 240 V, 50 Hz	40 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	55 kW
Rated operational power at AC-3, 415 V, 50 Hz	70 kW
Rated operational power at AC-3, 440 V, 50 Hz	75 kW

Rated operational power at AC-3, 500 V, 50 Hz	85 kW
Rated operational power at AC-3, 690 V, 50 Hz	90 kW
Rated operational power at AC-4, 220/230 V, 50 Hz	17 kW
Rated operational power at AC-4, 240 V, 50 Hz	19 kW
Rated operational power at AC-4, 415 V, 50 Hz	33 kW
Rated operational power at AC-4, 440 V, 50 Hz	35 kW
Rated operational power at AC-4, 500 V, 50 Hz	40 kW
Rated operational power at AC-4, 660/690 V, 50 Hz	43 kW
Rated operational voltage (Ue) at AC - max	690 V
Short-circuit rating	
Short-circuit current rating (basic rating)	600 A, max. Fuse, SCCR (UL/CSA) 600 A, max. CB, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
Short-circuit current rating (high fault at 480 V)	65 kA, CB, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA)
Short-circuit current rating (high fault at 600 V)	30/100 kA, Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA)
Short-circuit protection rating (type 1 coordination) at 400 V	250 A gG/gL
Short-circuit protection rating (type 1 coordination) at 690 V	250 A gG/gL
Short-circuit protection rating (type 2 coordination) at 400 V	250 A gG/gL
Short-circuit protection rating (type 2 coordination) at 690 V	250 A gG/gL
Conventional thermal current Ith	
Conventional thermal current ith (1-pole, enclosed)	285 A
Conventional thermal current ith (3-pole, enclosed)	115 A
Conventional thermal current ith at 55°C (3-pole, open)	135 A
Conventional thermal current ith at 60°C (3-pole, open)	130 A
Conventional thermal current ith of main contacts (1-pole, open)	325 A
Switching capacity	
Switching capacity (main contacts, general use)	180 A, Maximum motor rating (UL/CSA)
Switching capacity (auxiliary contacts, general use)	1 A, 250 V DC, (UL/CSA) 15 A, 600 V AC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
Magnet system	
Arcing time	15 ms
Drop-out voltage	AC operated: 0.6 - 0.25 x UC, AC operated
Duty factor	100 %
Pick-up voltage	0.8 - 1.15 V AC x Uc
Power consumption, pick-up, 50 Hz	180 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
Power consumption, pick-up, 60 Hz	170 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Power consumption, pick-up, 60 Hz Power consumption, sealing, 50 Hz	170 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
	3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
Power consumption, sealing, 50 Hz	3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Power consumption, sealing, 50 Hz Power consumption, sealing, 60 Hz	 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Power consumption, sealing, 50 Hz Power consumption, sealing, 60 Hz Rated control supply voltage (Us) at AC, 50 Hz - min	 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 190 V
Power consumption, sealing, 50 Hz Power consumption, sealing, 60 Hz Rated control supply voltage (Us) at AC, 50 Hz - min Rated control supply voltage (Us) at AC, 50 Hz - max	3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 190 V 240 V
Power consumption, sealing, 50 Hz Power consumption, sealing, 60 Hz Rated control supply voltage (Us) at AC, 50 Hz - min Rated control supply voltage (Us) at AC, 50 Hz - max Rated control supply voltage (Us) at AC, 60 Hz - min	3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz190 V240 V190 V
Power consumption, sealing, 50 Hz Power consumption, sealing, 60 Hz Rated control supply voltage (Us) at AC, 50 Hz - min Rated control supply voltage (Us) at AC, 50 Hz - max Rated control supply voltage (Us) at AC, 60 Hz - min Rated control supply voltage (Us) at AC, 60 Hz - max	 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Power consumption, sealing, 50 HzImage: Construct of the sealing of the	 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60
Power consumption, sealing, 50 HzPower consumption, sealing, 60 HzRated control supply voltage (Us) at AC, 50 Hz - minRated control supply voltage (Us) at AC, 50 Hz - maxRated control supply voltage (Us) at AC, 60 Hz - minRated control supply voltage (Us) at AC, 60 Hz - minRated control supply voltage (Us) at AC, 60 Hz - maxRated control supply voltage (Us) at AC, 60 Hz - maxRated control supply voltage (Us) at AC, 60 Hz - maxRated control supply voltage (Us) at DC - minRated control supply voltage (Us) at DC - max	 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 190 V 240 V 190 V 240 V 0 V 0 V
Power consumption, sealing, 50 HzImage: Power consumption, sealing, 60 HzImage: Power consumption, sealing, 60 HzRated control supply voltage (Us) at AC, 50 Hz - minImage: Power consumptionImage: Power consumptionRated control supply voltage (Us) at AC, 50 Hz - maxImage: Power consumptionImage: Power consumptionRated control supply voltage (Us) at AC, 60 Hz - maxImage: Power consumptionImage: Power consumptionRated control supply voltage (Us) at AC, 60 Hz - maxImage: Power consumptionImage: Power consumptionRated control supply voltage (Us) at AC, 60 Hz - maxImage: Power consumptionImage: Power consumptionRated control supply voltage (Us) at DC - minImage: Power consumptionImage: Power consumptionRated control supply voltage (Us) at DC - maxImage: Power consumptionImage: Power consumptionSwitching time (AC operated, make contacts, closing delay) - minImage: Power consumptionImage: Power consumption	 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60
Power consumption, sealing, 50 HzPower consumption, sealing, 60 HzRated control supply voltage (Us) at AC, 50 Hz - minRated control supply voltage (Us) at AC, 50 Hz - maxRated control supply voltage (Us) at AC, 60 Hz - maxRated control supply voltage (Us) at AC, 60 Hz - maxRated control supply voltage (Us) at AC, 60 Hz - maxRated control supply voltage (Us) at AC, 60 Hz - maxRated control supply voltage (Us) at AC, 60 Hz - maxRated control supply voltage (Us) at DC - minRated control supply voltage (Us) at DC - maxSwitching time (AC operated, make contacts, closing delay) - minSwitching time (AC operated, make contacts, closing delay) - max	 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 190 V 240 V 190 V 240 V 0 V 0 V 28 ms 33 ms

	44.05
Assigned motor power at 115/120 V, 60 Hz, 1-phase	10 HP
Assigned motor power at 200/208 V, 60 Hz, 3-phase	40 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase	25 HP
Assigned motor power at 230/240 V, 60 Hz, 3-phase	50 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase	100 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase	100 HP
Communication	
Connection	Screw terminals
Contacts	
Number of contacts (normally closed contacts)	2
Number of contacts (normally open contacts)	2
Number of auxiliary contacts (normally closed contacts)	2
Number of auxiliary contacts (normally open contacts)	2
Safety	
Safe isolation	690 V AC, Between the contacts, According to EN 61140
	690 V AC, Between coil and contacts, According to EN 61140
Special purpose ratings	
Special purpose rating of ballast electrical discharge lamps	160 A (600V 60Hz 3phase, 347V 60Hz 1phase) 160 A (480V 60Hz 3phase, 277V 60Hz 1phase)
Special purpose rating of definite purpose rating	690 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
	115 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
Special purpose rating of elevator control	92 A, 200 V 60 Hz 3-ph, (UL/CSA) 40 HP, 240 V 60 Hz 3-ph, (UL/CSA) 30 HP, 200 V 60 Hz 3-ph, (UL/CSA) 99 A, 600 V 60 Hz 3-ph, (UL/CSA) 104 A, 240 V 60 Hz 3-ph, (UL/CSA) 75 HP, 480 V 60 Hz 3-ph, (UL/CSA) 96 A, 480 V 60 Hz 3-ph, (UL/CSA) 100 HP, 600 V 60 Hz 3-ph, (UL/CSA)
Special purpose rating of refrigeration control (CSA only)	540 A, LRA 600 V 60 Hz 3phase; (CSA) 84 A, FLA 600 V 60 Hz 3phase; (CSA) 84 A, FLA 480 V 60 Hz 3phase; (CSA) 540 A, LRA 480 V 60 Hz 3phase; (CSA)
Special purpose rating of resistance air heating	160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 160 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
Special purpose rating of tungsten incandescent lamps	160 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
Design verification	
Equipment heat dissipation, current-dependent Pvid	18.9 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	6.3 W
Rated operational current for specified heat dissipation (In)	115 A
Static heat dissipation, non-current-dependent Pvs	2.3 W
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 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	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	Is the panel builder's responsibility.
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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.

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)

Electric engineering, automation, process control engineering / Low-voltage swi	tch technology / C	ontacto	r (LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015])
Rated control supply voltage Us at AC 50HZ		V	190 - 240
Rated control supply voltage Us at AC 60HZ		V	190 - 240
Rated control supply voltage Us at DC		V	0 - 0
/oltage type for actuating			AC
Rated operation current le at AC-1, 400 V		A	160
Rated operation current le at AC-3, 400 V		А	115
Rated operation power at AC-3, 400 V		kW	55
Rated operation current le at AC-4, 400 V		A	55
Rated operation power at AC-4, 400 V		kW	28
ated operation power NEMA		kW	74
Aodular version			No
Number of auxiliary contacts as normally open contact			2
Number of auxiliary contacts as normally closed contact			2
Type of electrical connection of main circuit			Screw connection
Number of normally closed contacts as main contact			0
Number of normally open contacts as main contact			3