Contactor, 3 pole, 380 V 400 V 55 kW, RAC 440: 380 - 440 V 50/60 Hz, AC operation, Screw terminals



Part no. DILM115(RAC440) 239549

General specifications	
Product name	Eaton Moeller® series DILM contactor
Part no.	DILM115(RAC440)
EAN	4015082395490
Product Length/Depth	160 millimetre
Product height	170 millimetre
Product width	90 millimetre
Product weight	2.25 kilogram
Compliances	CE Marked
Certifications	UL 508 CSA Std. C22.2 No. 14-05 IEC 60947-4-1 EN 60947-4-1 VDE VDE 0660 IEC/EN 60947-4-1 CSA Class No.: 2411-03, 3211-04 CSA File No.: 012528 UL CSA-C22.2 No. 60947-4-1-14 UL File No.: E29096 CE UL Category Control No.: NLDX IEC/EN 60947 UL 60947-4-1 CSA
Product Tradename	DILM
Product Type	Contactor
Product Sub Type	None
Catalog Notes	Contacts according to EN 50012
eatures & Functions	
Fitted with:	Suppressor circuit in actuating electronics
General information	
Application	Contactors for Motors
Degree of protection	IP00
Frame size	FS4
Lifespan, mechanical	10,000,000 Operations (AC operated)
Operating frequency	3600 mechanical Operations/h (AC operated)
Overvoltage category	III
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-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
Voltage type	AC
Imbient conditions, mechanical	
Shock resistance	10 g, N/O main 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 when tabletop-mounted, Half-sinusoidal shock 10 ms

Ambient operating temperature - min Ambient operating temperature - max Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Electro magnetic compatibility Emitted interference Interference immunity Terminal capacity (copper band) Terminal capacity (flexible with ferrule) Terminal capacity (solid) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded) Stripping length (main cable) Stripping length (control circuit cable) Screw size Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 500 V Rated breaking capacity at 560/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V 110	flax. 2000 m 25 °C 0 °C 5 °C 0
Ambient operating temperature - min Ambient operating temperature - max Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Electro magnetic compatibility Emitted interference Interference immunity Terminal capacity (sopper band) Terminal capacity (flexible with ferrule) 1 Terminal capacity (solid) 1 Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded) 2 Stripping length (main cable) Stripping length (control circuit cable) Screw size Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated preaking capacity at 560/890 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V 10 11 12 13 14 15 16 17 18 18 18 19 19 10 10 10 11 11 11 12 13 14 15 15 16 17 18 18 18 18 18 18 18 18 18	25 °C 0 °C 5 °C 0 °C 0 °C 0 °C 0 °C amp heat, cyclic, to IEC 60068-2-30 amp heat, constant, to IEC 60068-2-78 ccording to EN 60947-1 ccording to EN 60947-1 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (10 - 70) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables
Ambient operating temperature - max Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max Climatic proofing D Electro magnetic compatibility Emitted interference Interference immunity Terminal capacities Terminal capacity (flexible with ferrule) 1 Terminal capacity (flexible with ferrule) 1 Terminal capacity (solid) 1 Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded) 2 Stripping length (main cable) Stripping length (control circuit cable) Screw size Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 550 V Rated operational current (le) at AC-1, 330 V, 400 V, 415 V	0 °C amp heat, cyclic, to IEC 60068-2-30 amp heat, constant, to IEC 60068-2-78 ccording to EN 60947-1 ccording to EN 60947-1 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables
Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max Climatic proofing DELECtro magnetic compatibility Emitted interference Interference immunity Terminal capacity (copper band) Terminal capacity (flexible with ferrule) Terminal capacity (solid) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded A	5 °C 0 °C 0 °C 0 °C amp heat, cyclic, to IEC 60068-2-30 amp heat, constant, to IEC 60068-2-78 ccording to EN 60947-1 ccording to EN 60947-1 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 4) mm², Control circuit cables 8 - 14, Control circuit cables
Ambient operating temperature (enclosed) - max Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Electro magnetic compatibility Emitted interference Interference immunity Terminal capacity (copper band) Terminal capacity (flexible with ferrule) 1 Terminal capacity (solid) Terminal capacity (solid/stranded AWG) Terminal capacity (stranded) 2 Terminal capacity (stranded) 2 Stripping length (main cable) Stripping length (control circuit cable) Screw size Screwdriver size Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	o °C o °C o °C amp heat, cyclic, to IEC 60068-2-30 amp heat, constant, to IEC 60068-2-78 ccording to EN 60947-1 ccording to EN 60947-1 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 4) mm², Control circuit cables 8 - 14, Control circuit cables
Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Electro magnetic compatibility Emitted interference Interference immunity Terminal capacities Terminal capacity (copper band) Terminal capacity (flexible with ferrule) 1 Terminal capacity (solid) 1 Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) 1 Terminal capacity (solid/stranded AWG) 1 Terminal capacity (solid/stranded) 2 Stripping length (main cable) Stripping length (control circuit cable) Screw size Screwdriver size Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	o °C amp heat, cyclic, to IEC 60068-2-30 amp heat, constant, to IEC 60068-2-78 ccording to EN 60947-1 ccording to EN 60947-1 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables
Ambient storage temperature - max Climatic proofing Electro magnetic compatibility Emitted interference Interference immunity Terminal capacity (copper band) Terminal capacity (flexible with ferrule) 1 reminal capacity (solid) 2 reminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded) 2 stripping length (main cable) Stripping length (main cable) Stripping length (control circuit cable) Screw size Melectrical rating Rated breaking capacity at 380/400 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V Is a supposed to the same and	amp heat, cyclic, to IEC 60068-2-30 amp heat, constant, to IEC 60068-2-78 ccording to EN 60947-1 ccording to EN 60947-1 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables
Climatic proofing Electro magnetic compatibility Emitted interference Interference immunity Terminal capacities Terminal capacity (copper band) Terminal capacity (flexible with ferrule) Terminal capacity (solid) Terminal capacity (solid) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) Terminal capacity (stranded) Stripping length (main cable) Stripping length (control circuit cable) Screw size Medical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V It at the seminate of	amp heat, cyclic, to IEC 60068-2-30 amp heat, constant, to IEC 60068-2-78 ccording to EN 60947-1 ccording to EN 60947-1 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables
Electro magnetic compatibility Emitted interference Interference immunity Terminal capacities Terminal capacity (copper band) Terminal capacity (flexible with ferrule) 1 reminal capacity (solid) 1 reminal capacity (solid) 1 Terminal capacity (solid/stranded AWG) 2 Stripping length (main cable) Stripping length (control circuit cable) Screw size Screwdriver size Crewdriver size Tightening torque Electrical rating Rated breaking capacity at 380/400 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V Interconstructions A A A A A A A A A A A A A A A A A A A	amp heat, constant, to IEC 60068-2-78 ccording to EN 60947-1 ccording to EN 60947-1 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables
Emitted interference Interference immunity Terminal capacities Terminal capacity (copper band) Terminal capacity (flexible with ferrule) Terminal capacity (solid) Terminal capacity (solid) Terminal capacity (solid/stranded AWG) Terminal capacity (stranded) Stripping length (main cable) Stripping length (main cable) Screw size My Screw size Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V Reted operational current (le) at AC-1, 380 V, 400 V, 415 V Reted operational current (le) at AC-1, 380 V, 400 V, 415 V	x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (10 - 70) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 4) mm², Control circuit cables 8 - 14, Control circuit cables
Interference immunity Terminal capacities Terminal capacity (copper band) Terminal capacity (flexible with ferrule) Terminal capacity (flexible with ferrule) Terminal capacity (solid) Terminal capacity (solid/stranded AWG) Terminal capacity (solid/stranded AWG) Terminal capacity (stranded) Terminal capacity (stranded) Stripping length (main cable) Stripping length (control circuit cable) Screw size Monormal Capacity at 220/230 V Rated breaking capacity at 220/230 V Rated breaking capacity at 500 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (10 - 70) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 4) mm², Control circuit cables 8 - 14, Control circuit cables
Terminal capacities Terminal capacity (copper band) Terminal capacity (flexible with ferrule) 1	x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 4) mm², Control circuit cables 8 - 14, Control circuit cables
Terminal capacity (copper band) Terminal capacity (flexible with ferrule) 1 Terminal capacity (solid) Terminal capacity (solid) Terminal capacity (solid/stranded AWG) 1 Terminal capacity (stranded) 2 Stripping length (main cable) Stripping length (control circuit cable) Screw size Screwdriver size Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V 1 Terminal capacity (flexible with ferrule) 2 1 1 2 1 2 1 3 1 3 1 4 1 5 1 5 1 6 1 6 1 7 1 7 1 7 1 7 1 8 1 8 1 8 1 8	x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (10 - 70) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables 8 - 14, Control circuit cables
Terminal capacity (flexible with ferrule) 2 1 2 1 2 1 2 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1	x (10 - 95) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (10 - 70) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables 8 - 14, Control circuit cables
Terminal capacity (solid) Terminal capacity (solid/stranded AWG) Terminal capacity (stranded) Stripping length (main cable) Stripping length (control circuit cable) Screw size Screw size Tightening torque Electrical rating Rated breaking capacity at 320/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 2.5) mm², Control circuit cables x (10 - 70) mm², Main cables x (0.75 - 2.5) mm², Control circuit cables x (0.75 - 4) mm², Control circuit cables 8 - 14, Control circuit cables
Terminal capacity (solid/stranded AWG) Terminal capacity (stranded) Stripping length (main cable) Stripping length (control circuit cable) Screw size Moscrewdriver size Cightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	x (0.75 - 4) mm², Control circuit cables 8 - 14, Control circuit cables
Terminal capacity (stranded) Stripping length (main cable) Stripping length (control circuit cable) Screw size M Screwdriver size Cightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	·
Stripping length (main cable) Stripping length (control circuit cable) Screw size M Screwdriver size Cightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	<u> </u>
Stripping length (control circuit cable) Screw size M Screwdriver size 2, 0. Tightening torque 14 1. Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	x (16 - 95) mm², Main cables x (16 - 70) mm², Main cables
Screw size Screwdriver size Crightening torque Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	4 mm
Tightening torque Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V	0 mm 13.5, Terminal screw, Control circuit cables mm AF, Hexagon socket-head spanner, Terminal screw, Main cables 110, Terminal screw, Main cables
Electrical rating Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	Terminal screw, Control circuit cables, Pozidriv screwdriver 8 x 5.5/1 x 6 mm, Terminal screw, Control circuit cables, Standard screwdriver
Rated breaking capacity at 220/230 V Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	4 Nm, Screw terminals, Main cables 2 Nm, Screw terminals, Control circuit cables
Rated breaking capacity at 380/400 V Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	
Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V 11 Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V 16	150 A
Rated breaking capacity at 660/690 V 11 Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V 16	150 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	150 A
	100 A
Detect encycling a survey to the AC 2 200 V 200 V 200 V	60 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	15 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	15 A
Rated operational current (le) at AC-3, 440 V	15 A
Rated operational current (le) at AC-3, 500 V	15 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	3 A
	5 A
Rated operational current (Ie) at AC-4, 440 V	5 A
	5 A
	5 A
	60 A
	60 A 60 A
Rated insulation voltage (Ui) Rated making capacity up to 690 V (cos phi to IEC/EN 60947) 16	60 A 60 A D A

Rated operational power at AC-3, 240 V, 50 Hz	40 kW
Rated operational power at AC-3, 240 V, 50 Hz	55 kW
Rated operational power at AC-3, 415 V, 50 Hz	70 kW
Rated operational power at AC-3, 413 V, 30 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	
	SOO A may CR SCCR (III (CSA)
Short-circuit current rating (basic rating)	600 A, max. CB, SCCR (UL/CSA) 600 A, max. Fuse, 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) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 350 A, max. CB, 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)
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, sealing, 50 Hz	2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 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 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Rated control supply voltage (Us) at AC, 50 Hz - min	380 V
Rated control supply voltage (Us) at AC, 50 Hz - max	440 V
Rated control supply voltage (Us) at AC, 60 Hz - min	380 V
Rated control supply voltage (Us) at AC, 60 Hz - max	440 V
Rated control supply voltage (Us) at DC - min	0 V
Rated control supply voltage (Us) at DC - max	0 V
Switching time (AC operated, make contacts, closing delay) - min	28 ms
Switching time (AC operated, make contacts, closing delay) - max	33 ms
Switching time (AC operated, make contacts, opening delay) - min	35 ms
Switching time (AC operated, make contacts, opening delay) - max	41 ms
Motor rating	

Assigned material and 11E/120 V CO III 1 inhose	10 UD
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
Connection to SmartWire-DT	No
Contacts	
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	0
Safety	
Safe isolation	690 V AC, Between the contacts, According to EN 61140
Jaie isolation	690 V AC, Between the contacts, According to EN 61140
pecial 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	100 HP, 600 V 60 Hz 3-ph, (UL/CSA) 99 A, 600 V 60 Hz 3-ph, (UL/CSA) 30 HP, 200 V 60 Hz 3-ph, (UL/CSA) 40 HP, 240 V 60 Hz 3-ph, (UL/CSA) 104 A, 240 V 60 Hz 3-ph, (UL/CSA) 96 A, 480 V 60 Hz 3-ph, (UL/CSA) 92 A, 200 V 60 Hz 3-ph, (UL/CSA) 75 HP, 480 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) 540 A, LRA 480 V 60 Hz 3phase; (CSA) 84 A, FLA 480 V 60 Hz 3phase; (CSA)
Special purpose rating of resistance air heating	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)
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)
Note to the other	100 A, 000 V 00 HZ Spilase, 347 V 00 HZ Tpilase, (UL/USA)
esign 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.
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 9.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (E	C000066)					
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss13-27-37-10-03 [AAB718020])						
Rated control supply voltage AC 50 Hz		V	380 - 440			
Rated control supply voltage AC 60 Hz		V	380 - 440			
Rated control supply voltage DC		V	0 - 0			
Voltage type for actuating			AC			
Number of normally closed contacts as main contact			0			
Number of normally open contacts as main contact			3			
Type of electrical connection of main circuit			Screw connection			
Operating voltage AC 50 Hz		V	230 - 690			
Operating voltage AC 60 Hz		V	230 - 690			
Rated operation current le at AC-1, 400 V		Α	160			
Rated operation current le at AC-3, 400 V		Α	115			
Rated operation power at AC-3, 400 V		kW	55			
Rated operation current le at AC-4, 400 V		Α	55			
Rated operation power at AC-4, 400 V		kW	28			
Rated operation power NEMA		kW	74			
Number of auxiliary contacts as normally open contact			0			
Number of auxiliary contacts as normally closed contact			0			
Modular version			No			
Width		mm	90			
Height		mm	170			
Depth		mm	160			