Contactor, 380 V 400 V 110 kW, 2 N/O, 2 NC, RAC 240: 190 - 240 V 50/60 Hz, **AC operation, Screw connection**



Part no. DILM225A/22(RAC240)

139547

EL Number

4134287

(Norway)	
Product name	Eaton Moeller® series DILM Contactor
Part no.	DILM225A/22(RAC240)
EAN	4015081363254
Product Length/Depth	158 millimetre
Product height	190 millimetre
Product width	140 millimetre
	3.54 kilogram
Product weight	•
Compliances	Contact Manufacturer
Certifications	UL UL File No.: E29096 CSA UL Category Control No.: NLDX VDE 0660 UL 60947-4-1 IEC/EN 60947-4-1 CSA-C22.2 No. 60947-4-1-14 CSA File No.: 2389068 IEC/EN 60947 CSA Class No.: 3211-04 CE
Product Tradename	DILM
Product Type	Contactor
Product Sub Type	None
Catalog Notes	Contacts according to EN 50012 Also tested according to AC-3e up to 500 V. Also suitable for motors with efficiency class IE3.
Accessories	Fitting options auxiliary contacts: on the side: 2 x DILM1000-XHI(V)11-SI; 2 x DILM1000-XHI11-SA
Application	Contactors for Motors
Connection	Screw terminals
Degree of protection	IP00
Electromagnetic compatibility	Designed for operation in industrial environments. Its use in residential environments may cause radio-frequency interference, requiring additional noise suppression.
Fitted with:	Suppressor circuit in actuating electronics
Lifespan, electrical	100,000 Operations (at Condensor operation)
Lifespan, mechanical	10,000,000 Operations (AC operated)
Operating frequency	3000 mechanical Operations/h (AC operated) 200 Operations/h
Overvoltage category	III
Pollution degree	3
Product category	Contactors
Protection	Finger and back-of-hand proof with terminal shroud or terminal block, Protection against direct contact when actuated from front (EN 50274)
Rated impulse withstand voltage (Uimp)	8000 V AC
Shock resistance	10 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 8 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
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

Altitude	Max. 2000 m
Ambient operating temperature - min	-40 °C
Ambient operating temperature - max	60 °C
Ambient operating temperature (enclosed) - min	40 °C
Ambient operating temperature (enclosed) - max	40 °C
Ambient storage temperature - min	40 °C
Ambient storage temperature - max	30°C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78
	Damp heat, cyclic, to IEC 60068-2-30
Townian Languity (hyphan)	22 mm width Mair connection
Terminal capacity (busbar)	32 mm width, Main connection
Terminal capacity (copper band)	Fixing with flat cable terminal or cable terminal blocks; See terminal capacity for cable terminal blocks
Terminal capacity (flexible with cable lug)	50 - 185 mm ²
Terminal capacity (flexible with ferrule)	2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 2.5) mm², Control circuit cables
Terminal capacity (solid)	2 x (0.75 - 2.5) mm², Control circuit cables
	1 x (0.75 - 2.5) mm², Control circuit cables
Terminal capacity (solid/stranded AWG)	18 - 14, Control circuit cables 2/0 - 250 MCM, Main cables
Terminal capacity (stranded with cable lug)	70 - 185 mm²
Width across flats	16 mm
Screw size	M3.5, Terminal screw, Control circuit cables M10, Terminal screw, Main connections
Screwdriver size	Terminal screw, Control circuit cables, Pozidriv screwdriver
Tightening torque	1.2 Nm, Screw terminals, Control circuit cables
3 - 3 - 4	24 Nm, Main cable connection screw/bolt
Inrush current	Max. 30 x le (peak)
Rated breaking capacity at 220/230 V	2250 A
Rated breaking capacity at 380/400 V	2250 A
Rated breaking capacity at 500 V Rated breaking capacity at 660/690 V	2250 A 2250 A
Rated breaking capacity at 1000 V	760 A
Rated insulation voltage (Ui)	1000 V
• • • • • • • • • • • • • • • • • • • •	2700 A
Rated making capacity (cos phi to IEC/EN 60947) Rated operational current (le)	220 A at up to 525 V (Individual compensation, three-phase capacitors, open)
nateu uperauonai current (re)	133 A at 690 V (Individual compensation, three-phase capacitors, open)
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	356 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	225 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	225 A
Rated operational current (le) at AC-3, 440 V	225 A
Rated operational current (Ie) at AC-3, 500 V	225 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	160 A
Rated operational current (Ie) at AC-3, 1000 V	76 A
Rated operational current (le) at AC-4, 220 V, 230 V, 240 V	164 A
Rated operational current (le) at AC-4, 440 V	164 A
Rated operational current (le) at AC-4, 500 V	164 A
Rated operational current (Ie) at AC-4, 660 V, 690 V	120 A
Rated operational current (Ie) at AC-4, 1000 V	55 A
Rated operational power at AC-3, 240 V, 50 Hz	75 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	110 kW
Rated operational power at AC-3, 415 V, 50 Hz	132 kW
Rated operational power at AC-3, 440 V, 50 Hz	138 kW
Rated operational power at AC-3, 500 V, 50 Hz	160 kW
Rated operational power at AC-3, 690 V, 50 Hz	150 kW
Rated operational power at AC-3, 1000 V, 50 Hz	108 kW
Rated operational power at AC-4, 220/230 V, 50 Hz	51 kW
	54 kW

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Read operational votage (0) of AC . max 100 MV 100	Rated operational power at AC-4, 440 V, 50 Hz	102 kW
Reset approximal youtings (Me) at AC - max Reset approximation grower at AC 4, 1000 (V, 50) (V C) Reset and propose rating of definite purpose rating 1000 V AC, Servees call and canasacts. According to EN 81140 1000 V AC, Servees call and canasacts. According to EN 81140 1000 V AC, Servees call and canasacts. According to EN 81140 1000 V AC, Servees call and canasacts. According to EN 81140 1000 V AC, Servees call and canasacts. According to EN 81140 1000 V AC, Servees call and canasacts. According to EN 81140 1000 V AC, Servees call and canasacts. According to EN 81140 1000 V AC, Servees call and canasacts. According to EN 81140 1000 V AC, Servees can shall be according to EN 81140 1000 V AC, Servee (Me) 15-29 htt (1000 V AC, Servees can be according to EN 81140 1000 V AC, Servee (Me) 15-29 htt (1000 V AC, Servees can be according to EN 81140 1000 V AC, Servee (Me) 15-29 htt (1000 V AC, Servees can be according to EN 81140 1000 V AC, Servee (Me) 15-29 htt (1000 V AC, Servees can be according to EN 81140 1000 V AC, Servee (Me) 15-29 htt (1000 V AC, Servee can be according to EN 81140 1000 V AC, Servee (Me) 15-29 htt (1000 V AC, Servee can be accordinated to EN 900 V AC, SERVEE (ME) 15-30 htt (1000 V AC, SERVEE ACCORDINATED	Rated operational power at AC-4, 500 V, 50 Hz	116 kW
Section of power or AC - 1,000 V.50 ft 1,0	Rated operational power at AC-4, 660/690 V, 50 Hz	110 kW
Safe instation Special purpose rating of definite our pose rating Special purpose rating of the	Rated operational voltage (Ue) at AC - max	1000 V
Safe instation Special purpose rating of definite our pose rating Special purpose rating of the	• • • • • • • • • • • • • • • • • • • •	77 kW
Special purpose rating of definite purpose rating SSA FAX A RIV MENURS JAN (2000 regions acc. but 1986, ULICSA) 2014, 134-4889 (Will bit 3-ph. 100,000 regions acc. but 1986, ULICSA) 2014, 134-489 (Will bit 3-ph. 100,000 regions acc. but 1986, ULICSA) 2014, 134-489 (Will bit 3-ph. 100,000 regions acc. but 1986, ULICSA) 2014, 134-489 (Will bit 3-ph. 100,000 regions acc. but 1986, ULICSA) 2014, 134-489 (Will bit 3-ph. 100,000 regions acc. but 1986, ULICSA) 2014, 134-489 (Will bit 3-ph. 100,000 regions acc. but 1986, ULICSA) 2014, 134-589 (Will Sah) 2014		
Short-circuit current rating (base rating) Short-circuit current rating (base later) Short-circuit protection rating (byte 1 caudination) at 1080 V		
Shert-circuit current raing lingh fault at 600 VI Short-circuit protection rating (type 1 coordination) at 1000 V Short-circuit protection rating (type 1 coordination) at 400 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 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 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 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-circu	Openial purpose rating of commo purpose rating	1680 A, LRA 600 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 2016 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
Shert-circuit current rating (high fault at 600 V) Shert-circuit current rating (high fault at 600 V) Shert-circuit grotection rating (hype 1 coordination) at 1800 V Shert-circuit grotection rating (hype 1 coordination) at 400 V Shert-circuit grotection rating (hype 1 coordination) at 400 V Shert-circuit grotection rating (hype 1 coordination) at 400 V Shert-circuit grotection rating (hype 1 coordination) at 400 V Shert-circuit grotection rating (hype 1 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotection rating (hype 2 coordination) at 400 V Shert-circuit grotect	Short-circuit current rating (basic rating)	600 A, max. CB, SCCR (UL/CSA)
Short-circuit protection rating (type 1 coordination) at 1000 V Short-circuit protection rating (type 1 coordination) at 480 V Short-circuit protection rating (type 1 coordination) at 480 V Short-circuit protection rating (type 1 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Short-circuit protection rating (type 2 coordination) at 480 V Conventional thermal current inth 15-pole, enclosed) Conventional thermal current inth 15-pole, enclosed) Conventional thermal current inth 15-pole, enclosed) Switching capacity (main contacts, general use) Switching capacity (main contacts, gilor duty) Pope out vollage AC operated (UU-CSA) Poperated (UU-CSA) ARB AC Conventional (UU-CSA) AC operated (UU-CSA) Poperated (UU-	Short-circuit current rating (high fault at 480 V)	65 kA, CB, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA)
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 1000 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 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 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 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 Short-circuit protection rating (type 2 coordination) at 400 V Short-circuit protection rati		350 A, max. CB, SCCR (UL/CSA) 600 A, Class J, max. Fuse, SCCR (UL/CSA) 100 kA, Fuse, SCCR (UL/CSA)
Short-circuit protection rating (type 1 coordination) at 690 V Short-circuit protection rating (type 2 coordination) at 1000 V Short-circuit protection rating (type 2 coordination) at 1000 V Short-circuit protection rating (type 2 coordination) at 400 V Short-circuit protection rating (type 2 coordination) at 690 V 250 A gG/gL Conventional thermal current thin (1-pole, enclosed) Conventional thermal current thin (1-pole, enclosed) Conventional thermal current thin (1-pole, enclosed) Conventional thermal current thin of main contacts (1-pole, open) Switching capacity (main contacts, general use) Switching capacity (main contacts, general use) Switching capacity (ausiliary cont	****	
Short-circuit protection rating (type 2 coordination) at 1000 V Short-circuit protection rating (type 2 coordination) at 490 V Short-circuit protection rating (type 2 coordination) at 490 V Short-circuit protection rating (type 2 coordination) at 490 V Conventional thermal current ith (1-pole, enclosed) Conventional thermal current ith (3-pole, enclosed) Conventional thermal current ith of 55° (3-pole, open) Conventional thermal current ith of main contacts (1-pole, open) Switching capacity (main contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Drop-out voltage Drop-out voltage Accoperated (ULCSA) Posson, Accope	Short-circuit protection rating (type 1 coordination) at 400 V	400 A gG/gL
Short-circuit protection rating (type 2 coordination) at 400 V Short-circuit protection rating (type 2 coordination) at 690 V Conventional thermal current thi (1-pole, enclosed) Conventional thermal current thi (1-pole, enclosed) Conventional thermal current thi (1-pole, enclosed) Conventional thermal current thi of main contacts (1-pole, open) Conventional thermal current thi of main contacts (1-pole, open) Switching capacity (main contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, gill of duty) Proport voltage Ac operated (IU/CSA) Proport voltage Ac operat	Short-circuit protection rating (type 1 coordination) at 690 V	315 A gG/gL
Short-circuir protection rating (type 2 coordination) at 899 V Conventional thermal current ith (1-pole, enclosed) Conventional thermal current ith of main contacts (1-pole, open) Switching capacity (main contacts, general use) Switching capacity (naxiliary contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Drop-out voltage Conventional thermal current ith of main contacts (1-pole, open) The spilot duty) Drop-out voltage Conventional thermal current ith of main contacts (1-pole, open) The spilot duty) Switching capacity (auxiliary contacts, general use) The spilot duty) The spilot duty The	Short-circuit protection rating (type 2 coordination) at 1000 V	160 A gG/gL
Conventional thermal current ith (1-pole, enclosed) Conventional thermal current ith at 55°C (3-pole, open) Conventional thermal current ith of main contacts (1-pole, open) 788 A Switching capacity (main contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Proport voltage AC operated (10,05A) Switching capacity (auxiliary contacts, pilot duty) AB00, AC operated (10,05A) Proport voltage AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated MC operated: 0.25 x US max - 0.6 x US min, AC operated MC operated: 0.25 x US max - 0.6 x US min, AC operated MC operated: 0.25 x US max - 0.6 x US min, AC operated MC operated: 0.25 x US min, AC	Short-circuit protection rating (type 2 coordination) at 400 V	315 A gG/gL
Conventional thermal current thi A-pole, enclosed) Conventional thermal current thi at 55°C (3-pole, open) Conventional thermal current thi at 55°C (3-pole, open) Switching capacity (main contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Switching capacity (auxiliary contacts, pilot duty) Drop-out voltage Drop-out voltage Drop-out voltage Drop-out voltage Several Capacity (auxiliary contacts, pilot duty) Several Capacity (auxiliary contacts, general use) Several Capacity (auxiliary contacts, pilot duty) Several Capacity (auxiliary contacts, pilot duty) Several Capacity (auxiliary contacts, general use) Several Capacity (auxiliary contacts, general use) Several Capacity (auxiliary contacts, general use) Several ULUCSA) Several Capacity (auxiliary contacts, general use) Several Capacity (auxiliary	Short-circuit protection rating (type 2 coordination) at 690 V	250 A gG/gL
Conventional thermal current thi 13-pole, enclosed) Conventional thermal current thi 45-5°C (3-pole, open) Conventional thermal current thi 6 main contacts (1-pole, open) Switching capacity (main contacts, general use) Switching capacity (main contacts, general use) Switching capacity (maxiliary contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, general		
Conventional thermal current ith at 55°C (3-pole, open) Conventional thermal current ith of main contacts (1-pole, open) Switching capacity (main contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, gineral use) Switching capacity (auxiliary contacts, gineral use) Switching capacity (auxiliary contacts, pilot duty) Switching capacity (auxiliary contacts, pilot duty) Drop-out voltage Drop-out voltage Ac operated: 0.25 x US max - 0.6 x US min, AC operated AC operated: 0.25 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pull-in power, Coil in a cold state and 1.0 x US 210 VA, Pu	Conventional thermal current ith (1-pole, enclosed)	688 A
Conventional thermal current ith of main contacts (1-pole, open) Switching capacity (main contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Drop-out voltage Drop-out voltage AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated (UU/CSA) Pilot-out voltage AC operated: 0.25 x US max - 0.4 x US min, AC operated AC operated (UV/CSA) Pilot-up voltage Drop-out volt	Conventional thermal current ith (3-pole, enclosed)	275 A
Switching capacity (main contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Switching capacity (auxiliary contacts, pilot duty) Drop-out voltage AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated (UL/CSA) Drop-out voltage AC operated: 0.25 x US max - 0.4 x US min, AC operated AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, A	Conventional thermal current ith at 55°C (3-pole, open)	329 A
Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Switching capacity (auxiliary contacts, pilot duty) Drop-out voltage AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated (UL/CSA) Power consumption Pick-up voltage AC operated: 0.25 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US min, AC operated	Conventional thermal current ith of main contacts (1-pole, open)	788 A
Switching capacity (auxiliary contacts, general use) Switching capacity (auxiliary contacts, pilot duty) Switching capacity (auxiliary contacts, pilot duty) Drop-out voltage AC operated: 0.25 x US max - 0.6 x US min, AC operated AC operated (UL/CSA) Power consumption Prick-up voltage AC operated: 0.25 x US max - 0.4 x US min, AC operated AC operated: 0.25 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated MC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US max - 0.4 x US min, AC operated: 0.2 x US min, AC operated: 0.	Switching canacity (main contacts, gangral uso)	250 A Maximum motor rating (III /CSA)
Switching capacity (auxiliary contacts, pilot duty) Pop-out voltage Drop-out voltage Drop-	, , , , , , , , , , , , , , , , , , , ,	
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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, 50 Hz - max Rated control supply voltage (Us) at AC, 60 Hz - min Rated control supply voltage (Us) at AC, 60 Hz - min Rated control supply voltage (Us) at AC, 60 Hz - max Rated control supply voltage (Us) at AC, 60 Hz - max Rated control supply voltage (Us) at DC - min OV Rated control supply voltage (Us) at DC - max Switching time (AC operated, make contacts, closing delay) - max 60 ms	Power consumption, sealing, 50 Hz	
Rated control supply voltage (Us) at AC, 50 Hz - max 240 V Rated control supply voltage (Us) at AC, 60 Hz - min 190 V Rated control supply voltage (Us) at AC, 60 Hz - max 240 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) - max 60 ms	Power consumption, sealing, 60 Hz	2.1 W, Coil in a cold state and 1.0 x Us
Rated control supply voltage (Us) at AC, 60 Hz - min 190 V Rated control supply voltage (Us) at AC, 60 Hz - max 240 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) - max 60 ms	Rated control supply voltage (Us) at AC, 50 Hz - min	190 V
Rated control supply voltage (Us) at AC, 60 Hz - max 240 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) - max 60 ms	Rated control supply voltage (Us) at AC, 50 Hz - max	240 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) - max 60 ms	Rated control supply voltage (Us) at AC, 60 Hz - min	190 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) - max 60 ms	Rated control supply voltage (Us) at AC, 60 Hz - max	240 V
Rated control supply voltage (Us) at DC - max 0 V Switching time (AC operated, make contacts, closing delay) - max 60 ms		
Switching time (AC operated, make contacts, closing delay) - max 60 ms	***	

Assigned motor power at 200/208 V, 60 Hz, 3-phase	60 HP
Assigned motor power at 230/240 V, 60 Hz, 3-phase	75 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase	150 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase	200 HP
Number of auxiliary contacts (normally closed contacts)	2
Number of auxiliary contacts (normally open contacts)	2
Number of contacts (normally closed contacts)	2
Number of contacts (normally open contacts)	2
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	7.67 W
Rated operational current for specified heat dissipation (In)	225 A
Static heat dissipation, non-current-dependent Pvs	2.1 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 8.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (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
Voltage type for actuating			AC
Rated operation current le at AC-1, 400 V		Α	356
Rated operation current le at AC-3, 400 V		Α	225
Rated operation power at AC-3, 400 V		kW	110
Rated operation current le at AC-4, 400 V		Α	164
Rated operation power at AC-4, 400 V		kW	90
Rated operation power NEMA		kW	111
Modular 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	Rail connection
Number of normally closed contacts as main contact	0
Number of normally open contacts as main contact	3