## DATASHEET - DILM32-10(24V50HZ)

Contactor, 3 pole, 380 V 400 V 15 kW, 1 N/O, 24 V 50 Hz, AC operation, Screw terminals



Part no.	DILM32-10(24V50HZ) 277247
EL Number (Norway)	4130424

## **General specifications**

General specifications	
Product name	Eaton Moeller® series DILM contactor
Part no.	DILM32-10(24V50HZ)
EAN	4015082772475
Product Length/Depth	97 millimetre
Product height	85 millimetre
Product width	45 millimetre
Product weight	0.428 kilogram
Compliances	CE Marked
Certifications	IEC 60947-4-1 EN 60947-4-1 UL 508 CSA Std. C22.2 No. 14-05 VDE UL File No.: E29096 CSA File No.: 012528 CSA CE IEC/EN 60947 UL CSA Class No.: 2411-03, 3211-04 UL Category Control No.: NLDX IEC/EN 60947-4-1 CSA-C22.2 No. 60947-4-1-14 VDE 0660 UL 60947-4-1
Product Tradename	DILM
Product Type	Contactor
Product Sub Type	None
Catalog Notes	Contacts according to EN 50012
General information	
Application	Contactors for Motors
Degree of protection	IPOO
Frame size	FS2
Lifespan, mechanical	10,000,000 Operations (AC operated)
Operating frequency	5000 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 actuate from front (EN 50274)
Rated impulse withstand voltage (Uimp)	8000 V AC
Resistance per pole	2.7 mΩ
Suitable for	Also motors with efficiency class IE3
Utilization category	AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-3: Normal AC induction motors: starting, switch off during running AC-1: Non-inductive or slightly inductive loads, resistance furnaces
Voltage type	AC
Ambient conditions, mechanical	
Shock resistance	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 5.3 g, N/O auxiliary 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

6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms 3.5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms

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
Ambient operating temperature (enclosed) - max	40 °C
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 (flexible with ferrule)	2 x (0.75 - 2.5) mm², Control circuit cables
Terminal capacity (solid)	1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables 1 x (0.75 - 16) mm <sup>2</sup> , Main cables 2 x (0.75 - 10) mm <sup>2</sup> , Main cables 1 x (0.75 - 4) mm <sup>2</sup> , Control circuit cables 2 x (0.75 - 10) mm <sup>2</sup> , Main cables 1 x (0.75 - 16) mm <sup>2</sup> , Main cables 1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables
Terminal capacity (solid/stranded AWG)	Single 18 - 6, double 18 - 8, Main cables 18 - 14, Control circuit cables
Terminal capacity (stranded)	1 x 16 mm², Main cables
Stripping length (main cable)	10 mm
Stripping length (control circuit cable)	10 mm
Screw size	M5, Terminal screw, Main cables M3.5, Terminal screw, Control circuit cables
Screwdriver size	2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
Tightening torque	1.2 Nm, Screw terminals, Control circuit cables 3.2 Nm, Screw terminals, Main cables
Electrical rating	
Rated breaking capacity at 220/230 V	320 A
Rated breaking capacity at 380/400 V	320 A
Rated breaking capacity at 500 V	320 A
Rated breaking capacity at 660/690 V	
	180 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	180 A 45 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	45 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	45 A 32 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	45 A 32 A 32 A 32 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V         Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V         Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V         Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V         Rated operational current (Ie) at AC-3, 440 V	45 A 32 A 32 A 32 A 32 A
Rated operational current (le) at AC-1, 380 V, 400 V, 415 V         Rated operational current (le) at AC-3, 220 V, 230 V, 240 V         Rated operational current (le) at AC-3, 380 V, 400 V, 415 V         Rated operational current (le) at AC-3, 380 V, 400 V, 415 V         Rated operational current (le) at AC-3, 500 V	45 A 32 A 32 A 32 A 32 A 32 A 32 A
Rated operational current (le) at AC-1, 380 V, 400 V, 415 V         Rated operational current (le) at AC-3, 220 V, 230 V, 240 V         Rated operational current (le) at AC-3, 380 V, 400 V, 415 V         Rated operational current (le) at AC-3, 440 V         Rated operational current (le) at AC-3, 500 V         Rated operational current (le) at AC-3, 660 V, 690 V	45 A 32 A 32 A 32 A 32 A 32 A 32 A 32 A 32
Rated operational current (le) at AC-1, 380 V, 400 V, 415 V         Rated operational current (le) at AC-3, 220 V, 230 V, 240 V         Rated operational current (le) at AC-3, 380 V, 400 V, 415 V         Rated operational current (le) at AC-3, 380 V, 400 V, 415 V         Rated operational current (le) at AC-3, 500 V	45 A 32 A 32 A 32 A 32 A 32 A 32 A 32 A 32
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Rated operational current (le) at AC-1, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 220 V, 230 V, 240 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 500 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-4, 220 V, 230 V, 240 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 660 V, 690 V	45 A         32 A <t< td=""></t<>
Rated operational current (le) at AC-1, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 220 V, 230 V, 240 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 500 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-4, 220 V, 230 V, 240 VRated operational current (le) at AC-4, 440 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 660 V, 690 V	45 A         32 A         15 A         15 A         15 A         12 A         14 A         15 A         16 A         17 A         18 A         19 A <t< td=""></t<>
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Rated operational current (le) at AC-1, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 220 V, 230 V, 240 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 500 VRated operational current (le) at AC-3, 500 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-4, 220 V, 230 V, 240 VRated operational current (le) at AC-4, 440 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 100 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at AC-1, 100 VRated operational current (le) at DC-1, 220 V	45 A         32 A         33 A         34 A         34 A         35 A         36 A <t< td=""></t<>
Rated operational current (le) at AC-1, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 220 V, 230 V, 240 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 500 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-4, 220 V, 230 V, 240 VRated operational current (le) at AC-4, 440 VRated operational current (le) at AC-4, 500 VRated operational current (le) at DC-1, 60 VRated operational current (le) at DC-1, 110 VRated operational current (le) at DC-1, 220 VRated operational current (le) at DC-1, 220 V	45 A         32 A         32 A         32 A         32 A         32 A         32 A         15 A         15 A         15 A         12 A         14 A         15 A         15 A         16 A         17 A         18 A         19 A         10 A <t< td=""></t<>
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Rated operational current (le) at AC-1, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 220 V, 230 V, 240 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 500 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-4, 220 V, 230 V, 240 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at DC-1, 60 VRated operational current (le) at DC-1, 110 VRated operational current (le) at DC-1, 220 VRated making capacity up to 690 V (cos phi to IEC/EN 60947)Rated operational power at AC-3, 240 V, 50 Hz	45 A         32 A         33 A         34 A         38 A         11 kW
Rated operational current (le) at AC-1, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 220 V, 230 V, 240 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 500 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-4, 220 V, 230 V, 240 VRated operational current (le) at AC-4, 440 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 500 VRated operational current (le) at DC-1, 60 VRated operational current (le) at DC-1, 220 VRated operational current (le) at DC-1, 110 VRated operational current (le) at DC-1, 220 VRated making capacity up to 690 V (cos phi to IEC/EN 60947)Rated operational power at AC-3, 240 V, 50 HzRated operational power at AC-3, 380/400 V, 50 Hz	45 A         32 A         33 A         34 A         384 A
Rated operational current (le) at AC-1, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 220 V, 230 V, 240 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 380 V, 400 V, 415 VRated operational current (le) at AC-3, 500 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-3, 660 V, 690 VRated operational current (le) at AC-4, 220 V, 230 V, 240 VRated operational current (le) at AC-4, 440 VRated operational current (le) at AC-4, 500 VRated operational current (le) at AC-4, 660 V, 690 VRated operational current (le) at DC-1, 500 VRated operational current (le) at DC-1, 60 VRated operational current (le) at DC-1, 220 VRated operational current (le) at DC-1, 220 VRated operational current (le) at DC-1, 220 VRated making capacity up to 690 V (cos phi to IEC/EN 60947)Rated operational power at AC-3, 240 V, 50 Hz	45 A         32 A         33 A         34 A         38 A         11 kW

Rated operational power at AC-3, 500 V, 50 Hz23 kWRated operational power at AC-3, 690 V, 50 Hz17 kWRated operational power at AC-4, 220/230 V, 50 Hz4 kWRated operational power at AC-4, 240 V, 50 Hz4.5 kW	
Rated operational power at AC-4, 220/230 V, 50 Hz 4 kW	
Rated operational power at AC-4, 240 V, 50 Hz 4.5 kW	
Rated operational power at AC-4, 415 V, 50 Hz 7.5 kW	
Rated operational power at AC-4, 440 V, 50 Hz 8 kW	
Rated operational power at AC-4, 500 V, 50 Hz 9 kW	
Rated operational power at AC-4, 660/690 V, 50 Hz 10 kW	
Rated operational voltage (Ue) at AC - max 690 V	
Short-circuit rating	
	/CSA) e, SCCR (UL/CSA) SCCR (UL/CSA)
50/32 A, max. C	J, max. Fuse, SCCR (UL/CSA) B, SCCR (UL/CSA) , SCCR (UL/CSA) CCR (UL/CSA) CCR (UL/CSA)
10/100 kA, Fuse 10/22 kA, CB, S	B, SCCR (UL/CSA) , SCCR (UL/CSA) CCR (UL/CSA) s J, max. Fuse, SCCR (UL/CSA)
Short-circuit protection rating (type 1 coordination) at 400 V         125 A gG/gL	
Short-circuit protection rating (type 1 coordination) at 690 V         63 A gG/gL	
Short-circuit protection rating (type 2 coordination) at 400 V         63 A gG/gL	
Short-circuit protection rating (type 2 coordination) at 690 V         35 A gG/gL	
Conventional thermal current Ith	
Conventional thermal current ith (1-pole, enclosed) 90 A	
Conventional thermal current ith (3-pole, enclosed) 36 A	
Conventional thermal current ith at 55°C (3-pole, open) 42 A	
Conventional thermal current ith at 60°C (3-pole, open) 40 A	
Conventional thermal current ith at 60°C (3-pole, open)40 AConventional thermal current ith of main contacts (1-pole, open)100 A	
Conventional thermal current ith of main contacts (1-pole, open) 100 A Switching capacity	motor rating (UL/CSA)
Conventional thermal current ith of main contacts (1-pole, open) 100 A Switching capacity	UL/CSA)
Conventional thermal current ith of main contacts (1-pole, open)       100 A         Switching capacity       40 A, Maximum         Switching capacity (main contacts, general use)       40 A, Maximum         Switching capacity (auxiliary contacts, general use)       1 A, 250 V DC, (	UL/CSA) (UL/CSA) ted (UL/CSA)
Conventional thermal current ith of main contacts (1-pole, open)       100 A         Switching capacity       40 A, Maximum         Switching capacity (main contacts, general use)       40 A, Maximum         Switching capacity (auxiliary contacts, general use)       1 A, 250 V DC, (10 A, 600 V AC, 500 V AC, 50	UL/CSA) (UL/CSA) ted (UL/CSA)
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)40 A, MaximumSwitching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)P300, DC operaSwitching capacity (auxiliary contacts, pilot duty)A600, AC opera	UL/CSA) (UL/CSA) ted (UL/CSA)
Conventional thermal current ith of main contacts (1-pole, open)       100 A         Switching capacity       40 A, Maximum         Switching capacity (main contacts, general use)       1 A, 250 V DC, (10 A, 600 V AC, 000 V AC	UL/CSA) (UL/CSA) ted (UL/CSA)
Conventional thermal current ith of main contacts (1-pole, open)       100 A         Switching capacity       40 A, Maximum         Switching capacity (main contacts, general use)       1 A, 250 V DC, (10 A, 600 V AC, 000 V AC	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA)
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Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)10 ASwitching capacity (auxiliary contacts, general use)10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)10 AMagnet system10 msArcing time10 msDrop-out voltageAC operated: 0Duty factor100 %Pick-up voltage0.8 - 1.1 V AC x	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)1 A, 250 V DC, (1 0 A, 600 V AC,Switching capacity (auxiliary contacts, general use)1 A, 250 V DC, (1 0 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)P300, DC operationMagnet system10 msArcing time10 msDrop-out voltageAC operated: 0Duty factor100 %Pick-up voltage0.8 - 1.1 V AC xPower consumption, pick-up, 50 Hz52 VA, Dual-free	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated UC
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)1 A, 250 V DC, (10 A, 600 V AC, 10 A, 600 V AC, Switching capacity (auxiliary contacts, pilot duty)1 A, 250 V DC, (10 A, 600 V AC, P300, DC operated, 600 AC operated,	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)P300, DC opera A600, AC operationMagnet system10 msArcing time10 msDrop-out voltageAC operated: 0Duty factor100 %Pick-up voltage0.8 - 1.1 V AC xPower consumption, pick-up, 50 Hz52 VA, Dual-frePower consumption, pick-up, 60 Hz7.1 VA, Dual-frePower consumption, sealing, 50 Hz2.1 W, Dual-frePower consumption, sealing, 60 Hz2.1 W, Dual-fre	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated UC quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 60 Hz equency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)P300, DC opera A600, AC operationMagnet system10 msArcing time10 msDrop-out voltageAC operated: 0Duty factor100 %Pick-up voltage0.8 - 1.1 V AC xPower consumption, pick-up, 50 Hz52 VA, Dual-frePower consumption, pick-up, 60 Hz7.1 VA, Dual-frePower consumption, sealing, 50 Hz2.1 W, Dual-frePower consumption, sealing, 60 Hz2.1 W, Dual-fre	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)1 A, 250 V DC, (1 0 A, 600 V AC,Switching capacity (auxiliary contacts, gilot duty)P300, DC operated, 600, AC operatedMagnet system100 MArcing time10 msDrop-out voltage100 %Duty factor100 %Pick-up voltage0.8 - 1.1 V AC xPower consumption, pick-up, 50 Hz67 VA, Dual-fre 2.1 W, Dual-fre 7.1 VA, Dual-fre 2.1 W, Dual-fre 7.1 VA, Dual-fre	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)1 A, 250 V DC, (10 A, 600 V AC, V DC, 50 V DC, (10 A, 600 V AC, Switching capacity (auxiliary contacts, pilot duty)1 A, 250 V DC, (10 A, 600 V AC, P300, DC operation V AC, Switching capacity (auxiliary contacts, pilot duty)10 msMagnet system10 msArcing time10 msDrop-out voltage100 %Duty factor100 %Pick-up voltage8 - 1.1 V AC xPower consumption, pick-up, 50 Hz52 VA, Dual-free 21 VA, Dual-free 	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)1 A, 250 V DC, (10 A, 600 V AC, Switching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC, Switching capacity (auxiliary contacts, pilot duty)Switching capacity (auxiliary contacts, pilot duty)40 A, MaximumMagnet system100 MArcing time10 msDrop-out voltage100 %Duty factor100 %Pick-up voltage0.8 - 1.1 V AC xPower consumption, pick-up, 50 Hz52 VA, Dual-freePower consumption, pick-up, 60 Hz71 VA, Dual-freePower consumption, sealing, 50 Hz21 W, Dual-freePower consumption, sealing, 60 Hz24 VRated control supply voltage (Us) at AC, 50 Hz - min24 V	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)40 A, MaximumSwitching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)9300, DC operatorsMagnet system10 msArcing time10 msDrop-out voltage0Duty factor100 %Pick-up voltage0.8 - 1.1 V AC xPower consumption, pick-up, 50 Hz52 VA, Dual-freePower consumption, pick-up, 60 Hz7.1 VA, Dual-freePower consumption, sealing, 50 Hz24 VRated control supply voltage (Us) at AC, 50 Hz - min24 VRated control supply voltage (Us) at AC, 50 Hz - min0 V	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)ID0 ASwitching capacity40 A, MaximumSwitching capacity (auxiliary contacts, general use)40 A, MaximumSwitching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)900, DC operaMagnet system900, DC operaArcing time10 msDrop-out voltage10 msDuty factor10 %Pick-up voltage08 - 11 V AC xPower consumption, pick-up, 50 Hz52 VA, Dual-frePower consumption, pick-up, 60 Hz67 VA, Dual-frePower consumption, sealing, 50 Hz11 V AC xPower consumption, sealing, 60 Hz24 VRated control supply voltage (Us) at AC, 50 Hz - max24 VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0V	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity100 ASwitching capacity (main contacts, general use)40 A, MaximumSwitching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)P300, DC opera A600, AC operaMagnet system100 msArcing time10 msDrop-out voltage100 %Duty factor100 %Power consumption, pick-up, 50 Hz52 VA, Dual-fre 87 VA, Dual-fr	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (main contacts, general use)40 A, MaximumSwitching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC,Switching capacity (auxiliary contacts, pilot duty)P300, DC operation (auxiliary contacts, pilot duty)Magnet system100 msArcing time10 msDrop-out voltage100 msDuty factor100 msPower consumption, pick-up, 50 Hz200 MzPower consumption, pick-up, 60 Hz52 VA, Dual-freePower consumption, pick-up, 60 Hz67 VA, Dual-freePower consumption, sealing, 50 Hz21 W, Dual-freePower consumption, sealing, 60 Hz21 W, Dual-freeRated control supply voltage (Us) at AC, 50 Hz - min24 VRated control supply voltage (Us) at AC, 60 Hz - min0VRated control supply voltage (Us) at AC, 60 Hz - min0VRated control supply voltage (Us) at AC, 60 Hz - min0VRated control supply voltage (Us) at AC, 60 Hz - min0VRated control supply voltage (Us) at AC, 60 Hz - min0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0V	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (auxiliary contacts, general use)40 A, MaximumSwitching capacity (auxiliary contacts, general use)1 A, 250 V DC, (10 A, 600 V AC, 500 V C, 000 C, 00	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz
Conventional thermal current ith of main contacts (1-pole, open)100 ASwitching capacity40 A, MaximumSwitching capacity (auxiliary contacts, general use)40 A, MaximumSwitching capacity (auxiliary contacts, general use)1 A, 250 V DC, (1 DA, 600 V AC, 0 DA, 600 D, CC Operated: 0Magnet system10 msArcing time10 msDrop-out voltage0 MaxDuty factor100 %Pick-up voltage0.8 - 1.1 V AC xPower consumption, pick-up, 50 Hz52 VA, Dual-frePower consumption, pick-up, 60 Hz67 VA, Dual-frePower consumption, pick-up, 60 Hz7.1 VA, Dual-frePower consumption, sealing, 50 Hz24 VRated control supply voltage (Us) at AC, 50 Hz - min0VRated control supply voltage (Us) at AC, 60 Hz - min0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VRated control supply voltage (Us) at AC, 60 Hz - max0VSwitching time (AC operated, make contacts, closing delay) - min16 msSwitching time (AC operated, make contacts, closing delay) - max22 ms	UL/CSA) (UL/CSA) ted (UL/CSA) ted (UL/CSA) 6 - 0.3 x UC, AC operated Uc quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz quency coil in a cold state and 1.0 x Us, at 50 Hz

Assigned motor power at 115/120 V, 60 Hz, 1-phase	a. U.B.
	2 HP
Assigned motor power at 200/208 V, 60 Hz, 3-phase	10 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase	5 HP
Assigned motor power at 230/240 V, 60 Hz, 3-phase	10 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase	20 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase	25 HP
Communication	
Connection	Screw terminals
Connection to SmartWire-DT	No
Contacts	
Number of contacts (normally open contacts)	1
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	1
Safety	
Safe isolation	440 V AC, Between coil and contacts, According to EN 61140
	440 V AC, Between the contacts, According to EN 61140
Special purpose ratings	
Special purpose rating of ballast electrical discharge lamps	40 A (480V 60Hz 3phase, 277V 60Hz 1phase) 40 A (600V 60Hz 3phase, 347V 60Hz 1phase)
Special purpose rating of definite purpose rating	32 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 192 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
Special purpose rating of elevator control	20 HP, 600 V 60 Hz 3-ph, (UL/CSA) 22 A, 600 V 60 Hz 3-ph, (UL/CSA) 25 3 A, 200 V 60 Hz 3-ph, (UL/CSA) 20 HP, 480 V 60 Hz 3-ph, (UL/CSA) 7.5 HP, 200 V 60 Hz 3-ph, (UL/CSA) 27 A, 480 V 60 Hz 3-ph, (UL/CSA) 22 A, 240 V 60 Hz 3-ph, (UL/CSA)
Special purpose rating of refrigeration control (CSA only)	240 A, LRA 480 V 60 Hz 3phase; (CSA) 180 A, LRA 600 V 60 Hz 3phase; (CSA) 40 A, FLA 480 V 60 Hz 3phase; (CSA) 30 A, FLA 600 V 60 Hz 3phase; (CSA)
Special purpose rating of resistance air heating	
operating of resistance an neutring	40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
Special purpose rating of tungsten incandescent lamps	
Special purpose rating of tungsten incandescent lamps	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
Special purpose rating of tungsten incandescent lamps	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
Special purpose rating of tungsten incandescent lamps Design verification	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)
Special purpose rating of tungsten incandescent lamps Design verification Equipment heat dissipation, current-dependent Pvid	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.4 Resistance to ultra-violet (UV) radiation	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.5 Lifting         10.2.6 Mechanical impact	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.4 Resistance to ultra-violet (UV) radiation         10.2.5 Lifting	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.4 Resistance to ultra-violet (UV) radiation         10.2.5 Lifting         10.2.6 Mechanical impact         10.2.7 Inscriptions         10.3 Degree of protection of assemblies	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.5 Lifting         10.2.6 Mechanical impact         10.2.7 Inscriptions         10.3 Degree of protection of assemblies         10.4 Clearances and creepage distances	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.4 Resistance to ultra-violet (UV) radiation         10.2.5 Lifting         10.2.6 Mechanical impact         10.3 Degree of protection of assemblies         10.4 Clearances and creepage distances         10.5 Protection against electric shock	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.4 Resistance to ultra-violet (UV) radiation         10.2.5 Lifting         10.2.6 Mechanical impact         10.3 Degree of protection of assemblies         10.4 Clearances and creepage distances         10.5 Protection against electric shock         10.6 Incorporation of switching devices and components	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.4 Resistance to ultra-violet (UV) radiation         10.2.5 Lifting         10.2.6 Mechanical impact         10.3 Degree of protection of assemblies         10.4 Clearances and creepage distances         10.5 Protection against electric shock         10.6 Incorporation of switching devices and components         10.7 Internal electrical circuits and connections	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Neets the product standard's requirements.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.4 Resistance to ultra-violet (UV) radiation         10.2.5 Lifting         10.2.7 Inscriptions         10.3 Degree of protection of assemblies         10.4 Clearances and creepage distances         10.5 Protection against electric shock         10.6 Incorporation of switching devices and components         10.7 Internal electrical circuits and connections         10.8 Connections for external conductors	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibility.
Special purpose rating of tungsten incandescent lamps         Design verification         Equipment heat dissipation, current-dependent Pvid         Heat dissipation capacity Pdiss         Heat dissipation per pole, current-dependent Pvid         Rated operational current for specified heat dissipation (In)         Static heat dissipation, non-current-dependent Pvs         10.2.2 Corrosion resistance         10.2.3.1 Verification of thermal stability of enclosures         10.2.3.2 Verification of resistance of insulating materials to normal heat         10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects         10.2.4 Resistance to ultra-violet (UV) radiation         10.2.5 Lifting         10.2.6 Mechanical impact         10.3 Degree of protection of assemblies         10.4 Clearances and creepage distances         10.5 Protection against electric shock         10.6 Incorporation of switching devices and components         10.7 Internal electrical circuits and connections	40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 6.6 W 0 W 2.2 W 32 A 2.1 W Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Neets the product standard's requirements.

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 switt	ch technology / Co	ontactor	(LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015])
Rated control supply voltage Us at AC 50HZ		V	24 - 24
Rated control supply voltage Us at AC 60HZ	,	V	0 - 0
Rated control supply voltage Us at DC	,	V	0 - 0
Voltage type for actuating			AC
Rated operation current le at AC-1, 400 V		A	45
Rated operation current le at AC-3, 400 V		A	32
Rated operation power at AC-3, 400 V	I	kW	15
Rated operation current le  at AC-4, 400 V		A	15
Rated operation power at AC-4, 400 V	1	kW	7
Rated operation power NEMA	1	kW	14.9
Modular version			No
Number of auxiliary contacts as normally open contact			1
Number of auxiliary contacts as normally closed contact			0
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