DATASHEET - DILM300A-S/22(110-120V50/60HZ)



Contactor, 380 V 400 V 160 kW, 2 N/O, 2 NC, 110 - 120 V 50/60 Hz, AC operation, Screw connection



Part no. DILM300A-S/22(110-120V50/60HZ)

139558

EL Number (Norway)

4110220

(Norway)	
General specifications	
Product name	Eaton Moeller® series DILM Contactor
Part no.	DILM300A-S/22(110-120V50/60HZ)
EAN	4015081363360
Product Length/Depth	208 millimetre
Product height	189 millimetre
Product width	140 millimetre
Product weight	7.1 kilogram
Certifications	IEC/EN 60947-4-1 CSA Class No.: 3211-04 UL Category Control No.: NLDX UL File No.: E29096 UL 60947-4-1 VDE 0660 IEC 61373: Vibration and shock, tested for category 1 class B UL/CSA CSA File No. 1017510 EN 45545: Fire protection on railway vehicles North America (UL listed, CSA certified) CE marking
Product Tradename	DILM
Product Type	Contactor
Product Sub Type	None
Catalog Notes	Contacts according to EN 50012 EN 45545 - Fire protection on railway vehicles: Fire protection class of all plastics according to UL94: V-0 / plastic weight in total: 1.872 kg
General information	
Accessories	Fitting options auxiliary contacts: on the side: 2 x DILM820-XHI11(V)-SI; 2 x DILM820-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
Resistance	$500~\text{m}\Omega$ (Admissible transitional contact resistance - of the external control circuit device when actuating A11)
Shock resistance	10 g, N/O auxiliary 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 10 g, N/O main 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-1: Non-inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching
Voltage type	AC

Climatic environmental conditions	
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	80 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Terminal capacities	
Terminal capacity (busbar)	25 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 - 240 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)	1 x (0.75 - 2.5) mm ² , Control circuit cables 2 x (0.75 - 2.5) mm ² , Control circuit cables
Terminal capacity (solid/stranded AWG)	2/0 - 500 MCM, Main cables 18 - 14, Control circuit cables
Terminal capacity (stranded with cable lug)	70 - 240 mm ²
Width across flats	16 mm
Screw size	M3.5, Terminal screw, Control circuit cables M10, Terminal screw, Main connections
Screwdriver size	2, Terminal screw, Control circuit cables, Pozidriv screwdriver
Tightening torque	1.2 Nm, Screw terminals, Control circuit cables 24 Nm, Main cable connection screw/bolt
Electrical rating	
Inrush current	Max. 30 x le (peak)
Rated breaking capacity at 220/230 V	3000 A
Rated breaking capacity at 380/400 V	3000 A
Rated breaking capacity at 500 V	3000 A
Rated breaking capacity at 660/690 V	3000 A
Rated breaking capacity at 1000 V	950 A
Rated insulation voltage (Ui)	1000 V
Rated making capacity (cos phi to IEC/EN 60947)	3000 A
Rated operational current (le)	307 A at up to 525 V (Individual compensation, three-phase capacitors, open) 177 A at 690 V (Individual compensation, three-phase capacitors, open)
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	490 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	300 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	300 A
Rated operational current (le) at AC-3, 440 V	300 A
Rated operational current (le) at AC-3, 500 V	300 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	185 A
Rated operational current (Ie) at AC-3, 1000 V	95 A
Rated operational current (Ie) at AC-4, 220 V, 230 V, 240 V	240 A
Rated operational current (Ie) at AC-4, 440 V	240 A
Rated operational current (Ie) at AC-4, 500 V	240 A
Rated operational current (Ie) at AC-4, 660 V, 690 V	150 A
Rated operational current (Ie) at AC-4, 1000 V	76 A
Rated operational power at AC-3, 240 V, 50 Hz	100 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	160 kW
Rated operational power at AC-3, 415 V, 50 Hz	175 kW
Rated operational power at AC-3, 440 V, 50 Hz	185 kW
Rated operational power at AC-3, 500 V, 50 Hz	210 kW
Rated operational power at AC-3, 690 V, 50 Hz	170 kW
Rated operational power at AC-3, 1000 V, 50 Hz	132 kW

Rated operational power at AC-4, 220/230 V, 50 Hz	75 kW
Rated operational power at AC-4, 240 V, 50 Hz	82 kW
Rated operational power at AC-4, 415 V, 50 Hz	142 kW
Rated operational power at AC-4, 440 V, 50 Hz	150 kW
Rated operational power at AC-4, 500 V, 50 Hz	170 kW
Rated operational power at AC-4, 660/690 V, 50 Hz	137 kW
Rated operational voltage (Ue) at AC - max	1000 V
Rated operational power at AC-4, 1000 V, 50 Hz	108 kW
Safe isolation	1000 V AC, Between coil and contacts, According to EN 61140
Special purpose rating of definite purpose rating	1800 A, LRA 600 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 300 A, FLA 600 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 2160 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 360 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)
Short-circuit rating	
Short-circuit current rating (basic rating)	18 kA, SCCR (UL/CSA) 600 A, max. CB, SCCR (UL/CSA) 700 A, max. Fuse, SCCR (UL/CSA)
Short-circuit current rating (high fault at 480 V)	18 kA, Fuse, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA) 700 A, Class L, max. Fuse, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA)
Short-circuit current rating (high fault at 600 V)	700 A, Class J, max. Fuse, SCCR (UL/CSA) 18 kA, Fuse, SCCR (UL/CSA) 18 kA, CB, SCCR (UL/CSA) 600 A, max. CB, SCCR (UL/CSA)
Short-circuit protection rating (type 1 coordination) at 1000 V	200 A gG/gL
Short-circuit protection rating (type 1 coordination) at 400 V	400 A gG/gL
Short-circuit protection rating (type 1 coordination) at 690 V	400 A gG/gL
Short-circuit protection rating (type 2 coordination) at 1000 V	160 A gG/gL
Short-circuit protection rating (type 2 coordination) at 400 V	400 A gG/gL
Short-circuit protection rating (type 2 coordination) at 690 V	315 A gG/gL
Conventional thermal current Ith	
Conventional thermal current ith (1-pole, enclosed)	788 A
Conventional thermal current ith (3-pole, enclosed)	315 A
Conventional thermal current ith at 55°C (3-pole, open)	418 A
Conventional thermal current ith of main contacts (1-pole, open)	1000 A
Switching capacity	
Switching capacity (main contacts, general use)	350 A, Maximum motor rating (UL/CSA)
Switching capacity (auxiliary contacts, general use)	15 A, 600 V AC, (UL/CSA)
	1 A, 250 V DC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
Magnet system	
Behavior in marginal and transitional conditions	Sealing - Pick-up phase (0 - 0.7 x Uc min: Contactor does not switch on Sealing - Voltage drops (0.2 - 0.6 x Uc min) > 12 ms: Drop-out of the contactor Sealing - Voltage drops (0.2 - 0.6 x Uc min ≤12 ms: Time is bridged successfully Sealing - Voltage drops (0.6 - 0.7 x Uc min: Contactor remains switched on Sealing - Pick-up phase (0.7 x Uc min - 1.15 x Uc max): Contactor switches on with certainty Sealing - Voltage interruptions 0 - 0.2 x Uc min) > 10 ms: Drop-out of the contactor Sealing - Excess voltage (1.15 - 1.3 x Uc max): Contactor remains switched on Sealing - Voltage interruptions (0 - 0.2 x Uc min ≤ 10 ms: Time is bridged successfully
Drop-out voltage	AC operated: 0.2 x US max - 0.4 x US min, AC operated AC operated: 0.25 x US max - 0.6 x US min, AC operated
Duty factor	100 %
Pick-up voltage	0.85 - 1.1 V AC x Us
Power consumption	Control transformer with uk ≤ 10%
Power consumption, pick-up, 50 Hz	325 W, Pull-in power, Coil in a cold state and 1.0 x Us 360 VA, Pull-in power, Coil in a cold state and 1.0 x Us
Power consumption, pick-up, 60 Hz	325 W, Pull-in power, Coil in a cold state and 1.0 x Us 360 VA, Pull-in power, Coil in a cold state and 1.0 x Us
Power consumption, sealing, 50 Hz	4.2 W, Coil in a cold state and 1.0 x Us 6.7 VA, Coil in a cold state and 1.0 x Us
Power consumption, sealing, 60 Hz	6.7 VA, Coil in a cold state and 1.0 x Us 4.2 W, Coil in a cold state and 1.0 x Us

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Rated control supply voltage (Us) at AC, 88 Mz - max Rated control signify voltage (Us) at AC, 88 Mz - max Switching sime (AC operated, make contracts, closing delay) - max Switching sime (AC operated, make contracts, closing delay) - max Whotor rating Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase Contracts The Assigned motor power at 200,780 V, 60 Mz, 3-phase The Assigned motor power at 200,780 V, 60 Mz, 3-phase The Assigned motor power at 200 V, 60 Mz, 3-phase The Assigned motor power at 2	Rated control supply voltage (Us) at AC, 50 Hz - max	120 V
Retad commis supply voltage (Us) at DC - min 888 de commis supply voltage (Us) at DC - mix 9 V 888 de commis supply voltage (Us) at DC - mix 9 V 888 de commis supply voltage (Us) at DC - mix 888 de commis supply voltage (Us) at DC - mix 888 de commis supply voltage (Us) at DC - mix 888 de commis supply voltage (Us) at DC - mix 888 de commis supply voltage (Us) at DC - mix 889 de commis su	Rated control supply voltage (Us) at AC, 60 Hz - min	110 V
Rested control supply voltage (Lts) at DC - max Somiching time (AC appraised, make contracts, closing delay) - max Somiching time (AC appraised, make contracts, opposing delay) - max Motor rating Assigned motor power at 2002/09 V, 60 Ht, 2-phase 100 HP Assigned motor power at 2002/09 V, 60 Ht, 2-phase Assigned motor power at 2002/09 V, 60 Ht, 2-phase Assigned motor power at 2002/09 V, 60 Ht, 3-phase 201 HP Assigned motor power at 2002/09 V, 60 Ht, 3-phase Assigned motor power at 2002/09 V, 60 Ht, 3-phase 201 HP Assigned motor power at 2002/09 V, 60 Ht, 3-phase Assigned motor power at 2002/09 V, 60 Ht, 3-phase 201 HP Assigned motor power at 20	Rated control supply voltage (Us) at AC, 60 Hz - max	120 V
Switching time IAC operated, make contacts, closing delay) - max Switching time IAC operated, make contacts, opening delay) - max Motor rating Assigned motor power at 200208 V, 80 Ft., 3-phase Assigned motor power at 200208 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase Assigned motor power at 505408 V, 80 Ft., 3-phase 20 IP Assigned motor power at 505408 V, 80 Ft., 3-phase 300 FP Contacts Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally closed contacts) Number of contacts (normally closed contacts) 2	Rated control supply voltage (Us) at DC - min	0 V
Switching time IAC operated, make contacts, opening datay i - max Motor rating Assigned motor power at 200/28V k 80 Hz, 3 phase Assigned motor power at 200/28V k 80 Hz, 3 phase Assigned motor power at 407/880 V k 9 Hz, 3 phase Assigned motor power at 407/880 V k 9 Hz, 3 phase 200 IP Assigned motor power at 407/880 V k 9 Hz, 3 phase Contacts Number of auxiliary contacts inormally open contacts Number of auxiliary contacts inormally open contacts Number of contacts inormally open contacts Nu	Rated control supply voltage (Us) at DC - max	0 V
Assigned motor power at 200208 V, 50 Hz, 3-phase Assigned motor power at 200208 V, 50 Hz, 3-phase Assigned motor power at 200208 V, 50 Hz, 3-phase Assigned motor power at 375/800 V, 50 Hz, 3-phase Assigned motor power at 375/800 V, 50 Hz, 3-phase Contacts	Switching time (AC operated, make contacts, closing delay) - max	55 ms
Assigned motor power at 200/200 V, 60 Hz, 3-phase Assigned motor power at 460/400 V, 60 Hz, 3-phase Assigned motor power at 460/400 V, 60 Hz, 3-phase Assigned motor power at 460/400 V, 60 Hz, 3-phase Assigned motor power at 460/400 V, 60 Hz, 3-phase 250 HP Assigned motor power at 450/400 V, 60 Hz, 3-phase 250 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 250 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 270 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 280 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 200 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 201 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 HP Assigned motor power at 460/400 V, 60 Hz, 3-phase 290 Hz, 60	Switching time (AC operated, make contacts, opening delay) - max	40 ms
Assigned motor power at 230,249 V. 60 Hz. 3-phase Assigned motor power at 1574,000 V, 60 Hz. 3-phase Contacts Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Number of contacts (normally open contacts) Pesign verification Equipment heat dissipation, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Heat dissipation of per pole, current-dependent Pvid Heat dissipation of thermal stability of enclosures 10.23 Verification of resistance of insulating materials to normal heat 10.23 Verification of resistance of insulating materials to normal heat 10.23.24 Verification of resistance of insulating materials to normal heat 10.23.25 Fixed firsts. In firsts. In fast, and to a topological properties of the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. 10.23.25 Fixed firsts. In firsts. In fast, and to a bottom of the product standard's requirements. 10.24 Resistance to ultra-violet (IVI) radiation 10.25 Mechanical impact 10.26 Decrease of resistance of insulating materials to normal heat 10.27 Inscriptions 10.28 Decrease of resistance of insulating materials to normal heat 10.29 Fixed of resistance of resistance of insulating materials to normal heat 10.29 Fixed of resistance of insulating materials to normal heat 10.29 Fixed of resistance of insulating materials to normal heat 10.20 Segment of segments and the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. 10.21 Fixed of requirements and components 10.22 Fixed of requirements and components 10.23 Fixed of requirements and components 10.24 Resistance of requirements and components 10.25 Protection against electric shock 10.26 Increase of requirements and components 10.27 Internal electrical circuits and components 10.28 Temperature rise 10.29 Temperature ris	Motor rating	
Assigned motor power at 480480 V, 80 Hz, 3-phase Assigned motor power at 480480 V, 80 Hz, 3-phase Contacts Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Number of contacts (normally open contacts) Posign verification Equipment heat dissipation, current-dependent Pvid Net at dissipation capacity Pdiss Heat dissipation capacity Pdiss Heat dissipation capacity Pdiss Heat dissipation capacity Pdiss Heat dissipation of the male at dissipation (current-dependent Pvid Assitute heat dissipation, non-current-dependent Pvid Dues to the dissipation of the male at dissipation (lin) Static heat dissipation of the male at dissipation (lin) Static heat dissipation of the male at tablity of enclosures 10.2.3 1 Verification of the male at tablity of enclosures 10.2.3 2 Verification of the male at tablity of enclosures 10.2.3 2 Verification of the male at tablity of enclosures 10.2.3 3 W Meets the product standard's requirements. 10.2.3 2 Verification of resistance of insulating materials to normal heat 10.2.3 3 Resist of insul- nat. to shoromal heatfire by internal elect. effects 10.2 4 Resistance to ultra-violet (IV) radiation 10.2 5 Ifriag Does not apply, since the entire switchgear needs to be evaluated. 10.2 5 Ifriag Does not apply, since the entire switchgear needs to be evaluated. 10.3 Degree of protection of assemblies 10.4 Clearances and crepage distances 10.5 Internal electric aliroutis and connections 10.6 Connections for external conductors 10.7 Internal electric discreasis and components 10.8 Connections for external conductors 10.8 Connections for external conductors 10.9 Repeated the entire switchgear needs to be evaluated. 10.1 Temperature rise The panel builder's responsibility. 10.1 Short-circuit rating 10.1 Short-circuit ra	Assigned motor power at 200/208 V, 60 Hz, 3-phase	100 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase 300 HP	Assigned motor power at 230/240 V, 60 Hz, 3-phase	125 HP
Contacts Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) 2 Number of contacts (normally open contacts) 2 Segiper verification Equipment heat dissipation, current-dependent Pvid Heat dissipation apacity Pdiss Heat dissipation per pole, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvi 10.2.3 I Verification of resistance Meets the product standard's requirements. 10.2.3.1 Verification of fremal stability of enclosures Meets the product standard's requirements. 10.2.2 Sar Seisst, of insul. mat. to abnormal heatfarterials to normal heat 10.2.3 Resistance to turis-violet (IU/) radiation 10.2.4 Resistance to turis-violet (IU/) radiation 10.2.5 Liking Does not apply, since the entire switchpear needs to be evaluated. 10.2.5 Liking Does not apply, since the entire switchpear needs to be evaluated. 10.2.6 Contaction of verticing devices and components 10.3 Degree of protection of assemblies Does not apply, since the entire switchpear 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 switchpear needs to be evaluated. 10.5 Internal electrical circuits and connections 10.6 Rocoproportion of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Rocoproportion of switching devices and components 10.9 Power-frequency electric strength 10.9 A Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder's responsibility. 10.10 Temperature rise The panel bui	Assigned motor power at 460/480 V, 60 Hz, 3-phase	250 HP
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	10.13 Mechanical function	

Technical data ETIM 9.0

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@ss13-27-37-10-03 [AAB718020])				
Rated control supply voltage AC 50 Hz	V	110 - 120		
Rated control supply voltage AC 60 Hz	V	110 - 120		
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		Rail connection
Operating voltage AC 50 Hz	V	110 - 120
Operating voltage AC 60 Hz	V	110 - 120
Rated operation current le at AC-1, 400 V	Α	490
Rated operation current le at AC-3, 400 V	Α	300
Rated operation power at AC-3, 400 V	kW	160
Rated operation current le at AC-4, 400 V	Α	240
Rated operation power at AC-4, 400 V	kW	132
Rated operation power NEMA	kW	186
Number of auxiliary contacts as normally open contact		2
Number of auxiliary contacts as normally closed contact		2
Modular version		No
Width	mm	140
Height	mm	189
Depth	mm	208