DATASHEET - DILM65(110V50HZ,120V60HZ)

Contactor, 3 pole, 380 V 400 V 30 kW, 110 V 50 Hz, 120 V 60 Hz, AC operation, Screw terminals



Part no.	DILM65(110V50HZ,120V60HZ) 277891
EL Number (Norway)	4130456

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Product width 5 millimetre Product wight 032 king am Cardination 032 king am Product Tandename 010 M Operation 010 M Operation 010 Operations AC operated Operation Tandename 010 M Product Tangename Am 010 M Product Tangenam <	Product Length/Depth	132.1 millimetre
Product wight 002 0022 kingtam Critications EC/CK S007-4-1 CSA EC/CK S007-4-1 CSA CSA Critications EC/CK S007-4-1 CSA CSA Ordicat Trademane DLM Contractors Product Sub Type Contractors Contractors Product Sub Type Contractors FSG Operation FSG Contractors Product Contractors FSG Contractors Product Sub Type Contractors FSG Operation FSG Contractors Operational FSG Contractors Operational FSG Contractors Operational FSG Contractors Product Contragory III FSG Product Contragory IIII FSG Product Contragory IIII FSG Product Contragory IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Product height	115 millimetre
Cardications Cardication Cardication C	Product width	55 millimetre
Product Talemame Image: Control Not: NLDX Product Talem	Product weight	0.872 kilogram
Product Type Contactor Product Sub Type None Globally Marketable Yes Application Contactors for Motors Application Contactors for Motors Degree of protection P00 Frame size Robal Marketable Operating fraquency 0000 Operations (AC operated) Operating fraquency 000 mechanical departments (AC operated) Operating fraquency 000 Overvoltage catagory III Protection III Protection IIII Rated impulse withstand voltage (Ump) IIII Resistance per pole IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Certifications	CE UL Category Control No.: NLDX CSA File No.: 012528 UL 60947-4-1 CSA VDE 0660 UL UL File No.: E29096 CSA Class No.: 2411-03, 3211-04 IEC/EN 60947
Product Surve None Globally Marketable Yes Application Contactors for Motors Degree of protoction PR00 Frame size FR3 Lifespan, mechanical 0000 Operations (AC operated) Operating frequency 5000 mechanical Operations (AC operated) Oberoting category 5000 mechanical Operations (AC operated) Product category 5000 mechanical Operations (AC operated) Product category Contactors Product category Contactors Protection Suitable for Unization category 19 Suitable for 19 Unization category Act: Normal AC induction motors starting, suitch of during running AC: Normal AC induction motors starting, suitch of during running AC: Normal AC induction motors starting, suitch of during running AC: Normal AC induction motors is starting, plugging, reversing, inching AC: Normal AC induction motors. Starting, suitch of during running AC: Normal AC induction motors. Starting, suitch of during running AC: Normal AC induction motors. Starting, plugging, reversing, inching AC induction motors. Starting, plugging, reversing,	Product Tradename	DILM
Bibbally Markatable Yes Application Contactors for Motors Degree of protection 1900 Frame size 1900 Lifespan, machanical 1000,000 Deprations (AC operated) Depreating frequency 500 mechanical Operations (AC operated) Operating frequency 500 mechanical Operations (AC operated) Outcoublage category 111 Pollution degree 1000,000 Deprations (AC operated) Protection 3 Protection 600 vacators Protection statiant outpage (Uimp) 8000 V AC Resistance per pole 900 vacators Suitable for Also motors with efficiency class IE3 Utilization category Also motors with efficiency class IE3 Utilization category 10, NU main contact, Mechanical, according to IEC/EN 60088-2:27, Half-sinucidal shock 10 ms Suitable for 10, NU main contact, Mechanical, according to IEC/EN 60088-2:27, Half-sinucidal shock 10 ms Suitable for 10, NU main contact, Mechanical, according to IEC/EN 60088-2:27, Half-sinucidal shock 10 ms Suitable for 10, NU main contact, Mechanical, according to IEC/EN 60088-2:27, Half-sinucidal shock 10 ms Suitable for 10, NU main contact, Mechanical, according to IEC/E	Product Type	Contactor
Application Image: production Motors Degree of protection F00 Frame size 0000000 Operations (AC operated) Doperating for unerry 50000000 Operations (AC operated) Overoting category 111 Pollution degree 3 Product category 111 Pollution degree 3 Protection 115 Rated impulse withstand voltage (Ump) 60000 VAC Resistance per pole 13 Suitable for 100000000 Operations (AC operated) Ublization category 13 Suitable for 20000 VAC Iblization category 20000 VAC Suitable for 20000 VAC Ublization category 20000 VAC Voltage type 20000 VAC Suitable for 20000 VAC Ublization category 20000 VAC Suitable for 2000 VAC Ublization category 2000 VAC Suitable for 2000 VAC Ublization category 2000 VAC Suitable for 2000 VAC Ublization category 2000 VAC Suita	Product Sub Type	None
Degree of protection P00 Frame size F53 Lifespan, mechanical 0000000 Operations (AC operated) Operating frequency 5000 mechanical Operations, (AC operated) Obervoltage category III Pollution degree 3 Product category Contactors Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) 8000 V AC Rasistance por pole 19 Suitable for 19 Voltage type AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, lungging, reversing, lungging	Globally Marketable	Yes
Degree of protection P00 Frame size F53 Lifespan, mechanical 0000000 Operations (AC operated) Operating frequency 5000 mechanical Operations, (AC operated) Obervoltage category III Pollution degree 3 Product category Contactors Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) 8000 V AC Rasistance por pole 19 Suitable for 19 Voltage type AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, lungging, reversing, lungging		
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Operating frequency 5000 mechanical Operations/h (AC operated) Overvoltage category III Pollution degree 3 Product category Contactors Froger and back-of-hand proof, Protection against direct contact when actuated from from from (EN 50274) From from from (EN 50274) Rated inpulse withstand voltage (Uimp) 8000 V AC 8000 V AC Resistance per pole 1.9 Asso motors with efficiency class IE3 Suitable for 1.9 Ac -3: Normal AC induction motors: starting, switch off during running AC +4: Normal AC induction motors: starting, plugging, reversing, inching Voltage type AC Ac -4: Normal AC induction motors: starting, plugging, reversing, inching Shock resistance 10 g, NO main contact, Mechanical, according to IEC/EN 60068-2-27, when tableto-mounted, Haff-sinusoidal shock 10 ms Sond ker existance 10 g, NO main contact, Mechanical, according to IEC/EN 60068-2-27, Haff-sinusoidal shock 10 ms Sond ker existance 10 g, NO main contact, Mechanical, according to IEC/EN 60068-2-27, Haff-sinusoidal shock 10 ms Sond ker voltage type 10 g, NO main contact, Mechanical, according to IEC/EN 60068-2-27, Haff-sinusoidal shock 10 ms Sond ker voltage type 10 g, NO main contact, Mechanical, according to IEC/EN 60068-2-27, Haff-sinusoidal shock 10 ms Sond ker voltage type <	Frame size	FS3
Overvoltage category II Pollution degree 3 Product category Contactors Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) 50000 V AC Resistance per pole 1.9 Suitable for Asso motors with efficiency class IE3 Utilization category Ac-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normantact	Lifespan, mechanical	10,000,000 Operations (AC operated)
Pollution degree 3 Product category Contactors Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) 8000 V AC Resistance per pole 1.9 Suitable for Also motors with efficiency class IE3 Utilization category Contactors Voltage type Contactors Suitable for Also motors with efficiency class IE3 Voltage type Contactors 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 AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching S, N/O anin contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms S 9, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms S 9, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms S 9, N/C auxiliary contact, Mechanical,	Operating frequency	5000 mechanical Operations/h (AC operated)
Product category Contactors Protection Finger and back-of-hand proof, Protection against direct contact when actuated from from (EN 50274) Rated impulse withstand voltage (Uimp) 8000 V AC Resistance per pole 1.9 Suitable for Also motors with efficiency class IE3 Utilization category Also motors with off during running AC-1: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching tabletop-mounted, Half-sinusoidal shock 10 ms Shock resistance NO auxiliary contact, Mechanical, according to IEC/EN 60068-2:27, Half-sinusoidal shock 10 ms Subject resistance Subject resistance Subject resistance Voltage type NC auxiliary contact, Mechanical, according to IEC/EN 60068-2:27, Half-sinusoidal shock 10 ms Shock resistance Subject resistance Subject resistance Voltage type NC auxiliary contact, Mechanical, according	Overvoltage category	
ProtectionFinger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)Rated impulse withstand voltage (Uimp)8000 V ACResistance per pole1.9Suitable forAlso motors with efficiency class IE3Utilization categoryAC-3: Normal AC induction motors: starting, switch off during running AC-1: Non-inductive or slightly inductive loads, resistance furmaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furmaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furmaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furmaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furmaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furmaces AC-1: Non-inductive or slightly inductive loads, resistanceShock resistance0 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 5 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 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxil	Pollution degree	3
Rated impulse withstand voltage (Uimp)Resistance per pole8000 V ACResistance per pole1.9Suitable forAlso motors with efficiency class IE3Utilization categoryAC - 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, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive loads, resistance furnaces AC -4: Normal AC induction motors: starting, pulging, reversing, inching AC -1: Non-inductive or slightly inductive or slightly i	Product category	Contactors
Resistance per pole 1.9 Suitable for Also motors with efficiency class IE3 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 Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 10, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance M	Protection	
Suitable for Also motors with efficiency class IE3 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 Shock resistance 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms Shock resistance 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms S g, N/C 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 S g, N/C 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 J g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms J Altitude Max. 2000 m	Rated impulse withstand voltage (Uimp)	8000 V AC
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 Shock resistance Inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching Shock resistance Induction motors: starting, plugging, reversing, inching AC Induction motors: starting, plugging, reversing, inching Shock resistance Induction motors: starting, plugging, reversing, inching AC Induction motors: starting, plugging, reversing, inching AC Induction motors: starting, plugging, reversing, inching AC Induction motors: starting, plugging, reversing, inching Shock resistance Induct	Resistance per pole	1.9
Voltage type AC-1: Non-inductive or slightly inductive loads, resistance furnaces Voltage type AC Shock resistance IO g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms Shock resistance IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms AC IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms AC IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms ALT IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms ALT IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms ALT IO g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms ALT IO g, N/O aux	Suitable for	Also motors with efficiency class IE3
Shock resistance 10 g, N/0 main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms Shock resistance 10 g, N/0 auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance 9 y/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Shock resistance <td< td=""><td>Utilization category</td><td>AC-1: Non-inductive or slightly inductive loads, resistance furnaces</td></td<>	Utilization category	AC-1: Non-inductive or slightly inductive loads, resistance furnaces
AltitudeItabletop-mounted, Half-sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 5 g, N/C 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 10 g, N/O main 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 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 msAltitudeMax. 2000 m	Voltage type	DA DA
	Shock resistance	tabletop-mounted, Half-sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 5 g, N/C 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 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 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-
	Altitude	Max. 2000 m
	Ambient operating temperature - min	-25 °C

Ambient exercting temperature may	60 °C
Ambient operating temperature - max	25 °C
Ambient operating temperature (enclosed) - min	
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
Emitted interference	According to EN 60947-1
Interference immunity	According to EN 60947-1
Terminal capacity (copper band)	2 x (6 x 9 x 0.8) mm (Number of segments x width x thickness), Main cables
Terminal capacity (flexible with ferrule)	1 x (0.75 - 35) mm ² , Main cables 2 x (0.75 - 2.5) mm ² , Control circuit cables 1 x (0.75 - 2.5) mm ² , Control circuit cables 2 x (0.75 - 25) mm ² . Main cables
Terminal capacity (solid)	1 x (0.75 - 4) mm ² , Control circuit cables 2 x (0.75 - 2.5) mm ² , Control circuit cables 1 x (0.75 - 16) mm ² , Main cables
T	2 x (0.75 - 16) mm ² , Main cables
Terminal capacity (solid/stranded AWG)	Single 14 - 1, double 14 - 2, Main cables 18 - 14, Control circuit cables
Terminal capacity (stranded)	2 x (16 - 35) mm², Main cables 1 x (16 - 50) mm², Main cables
Stripping length (main cable)	14 mm
Stripping length (control circuit cable)	10 mm
Screw size	M6, 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 3.3 Nm, Screw terminals, Main cables
Rated breaking capacity at 220/230 V	650 A
Rated breaking capacity at 380/400 V	650 A
Rated breaking capacity at 500 V	650 A
Rated breaking capacity at 660/690 V	370 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	98 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	65 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	65 A
Rated operational current (Ie) at AC-3, 440 V	65 A
Rated operational current (Ie) at AC-3, 500 V	65 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	37 A
Rated operational current (Ie) at AC-4, 220 V, 230 V, 240 V	25 A
Rated operational current (Ie) at AC-4, 440 V	25 A
Rated operational current (Ie) at AC-4, 500 V	25 A
Rated operational current (Ie) at AC-4, 660 V, 690 V	20 A
Rated operational current (Ie) at DC-1, 60 V	72 A
Rated operational current (Ie) at DC-1, 110 V	72 A
Rated operational current (Ie) at DC-1, 220 V	65 A
Rated insulation voltage (Ui)	690 V
Rated making capacity up to 690 V (cos phi to IEC/EN 60947)	910 A
Rated operational power at AC-3, 240 V, 50 Hz	22 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	30 kW
Rated operational power at AC-3, 415 V, 50 Hz	39 kW
Rated operational power at AC-3, 440 V, 50 Hz	41 kW
Rated operational power at AC-3, 500 V, 50 Hz	47 kW
Rated operational power at AC-3, 690 V, 50 Hz	35 kW
Rated operational power at AC-4, 220/230 V, 50 Hz Rated operational power at AC-4, 240 V, 50 Hz	7 kW

Rated operational power at AC-4, 415 V, 50 Hz	13 kW
Rated operational power at AC-4, 440 V, 50 Hz	14 kW
Rated operational power at AC-4, 500 V, 50 Hz	16 kW
Rated operational power at AC-4, 660/690 V, 50 Hz	17 kW
Rated operational voltage (Ue) at AC - max	690 V
Short-circuit current rating (basic rating)	250 A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA)
Short-circuit current rating (high fault at 480 V)	30/100 kA, Fuse, SCCR (UL/CSA) 250/150 A, Class J, max. Fuse, SCCR (UL/CSA) 100 A, max. CB, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA)
Short-circuit current rating (high fault at 600 V)	30 kA, CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 250/150 A, Class J, max. Fuse, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA)
Short-circuit protection rating (type 1 coordination) at 400 V	250 A gG/gL
Short-circuit protection rating (type 1 coordination) at 690 V	100 A gG/gL
Short-circuit protection rating (type 2 coordination) at 400 V	125 A gG/gL
Short-circuit protection rating (type 2 coordination) at 690 V	80 A gG/gL
Conventional thermal current ith (1-pole, enclosed)	180 A
Conventional thermal current ith (3-pole, enclosed)	72 A
Conventional thermal current ith at 55°C (3-pole, open)	83 A
Conventional thermal current ith at 60°C (3-pole, open)	80 A
Conventional thermal current ith of main contacts (1-pole, open)	200 A
Switching capacity (main contacts, general use)	88 A, Maximum motor rating (UL/CSA)
Arcing time	10 ms
Drop-out voltage	AC operated: 0.6 - 0.3 x UC, AC operated
Duty factor	100 %
Pick-up voltage	0.8 - 1.1 V AC x Uc
Power consumption, pick-up, 50 Hz	149 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
Power consumption, pick-up, 60 Hz	178 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Power consumption, sealing, 50 Hz	4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 16 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
Power consumption, sealing, 60 Hz	4.1 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 19 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Rated control supply voltage (Us) at AC, 50 Hz - min	110 V
Rated control supply voltage (Us) at AC, 50 Hz - max Rated control supply voltage (Us) at AC, 60 Hz - min	110 V 120 V
	120 V 120 V
Rated control supply voltage (Us) at AC, 60 Hz - max	0 V
Rated control supply voltage (Us) at DC - min Rated control supply voltage (Us) at DC - max	
Switching time (AC operated, make contacts, closing delay) - min	12 ms
Switching time (AC operated, make contacts, closing delay) - max	18 ms
Switching time (AC operated, make contacts, closing delay) - max	8 ms
Switching time (AC operated, make contacts, opening delay) - min	13 ms
ownershing units (no operated, make contacts, opening delay) - max	
Assigned motor power at 115/120 V, 60 Hz, 1-phase	5 HP
Assigned motor power at 200/208 V, 60 Hz, 3-phase	20 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase	15 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase	25 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase	50 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase	60 HP
Connection	Screw terminals

Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Safe isolation 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140 Special purpose rating of ballast electrical discharge lamps 88 A (600 V 60H2 3phase, 347 V 60H2 1phase) Special purpose rating of definite purpose rating of definite purpose rating of delevator control 309 A, LRA 480 V 60 H2 3ph, 100,000 cycles acc. to UL 1995, (UL/CSA) Special purpose rating of elevator control 30 HP 480 V 60 H2 3ph, 100,000 cycles acc. to UL 1995, (UL/CSA) Special purpose rating of elevator control 30 HP 480 V 60 H2 3ph, 100,000 cycles acc. to UL 1995, (UL/CSA) Special purpose rating of elevator control 30 HP 480 V 60 H2 3ph, 100,000 cycles acc. to UL 1995, (UL/CSA) Special purpose rating of televator control 30 HP 480 V 60 H2 3ph, 100,CSA) Special purpose rating of transtance air heating 88 A, 600 V 60 H2 3phase, 277 V 60 H2 1phase, (UL/CSA) Special purpose rating of tungsten incandescent lamps 88 A, 600 V 60 H2 3phase, 277 V 60 H2 1phase, (UL/CSA) Special purpose rating of tungsten incandescent lamps 88 A, 800 V 60 H2 3phase, 277 V 60 H2 1phase, (UL/CSA) Special purpose rating of tungsten incandescent lamps 88 A, 800 V 60 H2 3phase, 2
Number of auxiliary contacts (normally open contacts) 0 Safe isolation 440 V AC, Between the contacts, According to EN 61140 Safe isolation 440 V AC, Between the contacts, According to EN 61140 Special purpose rating of ballast electrical discharge lamps 88 A (600V 60Hz 3phase, 347V 60Hz 1phase) Special purpose rating of definite purpose rating 390 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) Special purpose rating of elevator control 390 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) Special purpose rating of elevator control 390 A, LRA 480 V 60 Hz 3-ph, (UL/CSA) Special purpose rating of resistance air heating 390 A, LRA 480 V 60 Hz 3-ph, (UL/CSA) Special purpose rating of tungsten incandescent lamps 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) Special purpose rating of tungsten incandescent lamps 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) Special purpose rating of tungsten incandescent lamps 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, (600 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)
Safe isolation 440 V AC, Between the contacts, According to EN 61140 Special purpose rating of ballast electrical discharge lamps 88 A (600V 60Hz 3phase, 347V 60Hz 1phase) Special purpose rating of definite purpose rating 88 A (600V 60Hz 3phase, 347V 60Hz 1phase) Special purpose rating of definite purpose rating 88 A (600V 60Hz 3phase, 347V 60Hz 1phase) Special purpose rating of definite purpose rating 88 A (600V 60Hz 3phase, 347V 60Hz 1phase) Special purpose rating of elevator control 90 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) Special purpose rating of elevator control 30 HP, 480 V 60 Hz 3-ph, (UL/CSA) Special purpose rating of resistance air heating 30 HP, 480 V 60 Hz 3-ph, (UL/CSA) Special purpose rating of resistance air heating 88 A (600 V 60 Hz 3-ph, (UL/CSA) Special purpose rating of tungsten incandescent lamps 88 A (600 V 60 Hz 3-ph, (UL/CSA) Special purpose rating of tungsten incandescent lamps 88 A (600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 600 V 60 Hz 3-ph, (UL/CSA)
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Special purpose rating of definite purpose rating Special purpose rating of elevator control Special purpose rating of resistance air heating Special purpose rating of resistance air heating Special purpose rating of resistance air heating Special purpose rating of tungsten incandescent lamps Special purpose rating of tungs
Special purpose rating of definite purpose rating300 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 65 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 65 A, FLA 480 V 60 Hz 3-ph, (UL/CSA) 10 HP, 200 V 60 Hz 3-ph, (UL/CSA) 40 A, 480 V 60 Hz 3-ph, (UL/CSA) 41 A, 600 V 60 Hz 3-ph, (UL/CSA) 41 A, 600 V 60 Hz 3-ph, (UL/CSA)Special purpose rating of resistance air heating88 A, 600 V 60 Hz 3-ph, (UL/CSA) 41 A, 600 V 60 Hz 3-ph, (UL/CSA)Special purpose rating of tungsten incandescent lamps88 A, 480 V 60 Hz 3-phase, 347 V 60 Hz 1-phase, (UL/CSA) 88 A, 480 V 60 Hz 3-phase, 347 V 60 Hz 1-phase, (UL/CSA)Equipment heat dissipation, current-dependent Pvid17.1 WHeat dissipation capacity Pdiss0WHeat dissipation per pole, current-dependent Pvid10 HZHeat dissipation per pole, current-dependent Pvid10 HZ<
Final Content of the control65 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)Special purpose rating of elevator control30 HP, 480 V 60 Hz 3-ph, (UL/CSA)Special purpose rating of resistance air heating30 HP, 480 V 60 Hz 3-ph, (UL/CSA)Special purpose rating of resistance air heating88 A, 600 V 60 Hz 3-ph, (UL/CSA)Special purpose rating of resistance air heating88 A, 600 V 60 Hz 3-ph, (UL/CSA)Special purpose rating of tungsten incandescent lamps88 A, 600 V 60 Hz 3-ph, (UL/CSA)Equipment heat dissipation, current-dependent Pvid17.1 WHeat dissipation capacity Pdiss0WHeat dissipation per pole, current-dependent Pvid10 HP 600 V 60 Hz 3-ph (UL/CSA)
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42 A, 240 V 60 Hz 3-ph, (UL/CSA) 15 HP, 240 V 60 Hz 3-ph, (UL/CSA) 40 HP, 600 V 60 Hz 3-ph, (UL/CSA) 41 A, 600 V 60 Hz 3-ph, (UL/CSA)Special purpose rating of resistance air heating88 A, 600 V 60 Hz 3-ph, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)Special purpose rating of tungsten incandescent lamps88 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 88 A, 480 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 88 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)Equipment heat dissipation, current-dependent Pvid17.1 WHeat dissipation per pole, current-dependent Pvid0 WHeat dissipation per pole, current-dependent Pvid5.7 W
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Heat dissipation capacity Pdiss 0 W Heat dissipation per pole, current-dependent Pvid 5.7 W
Heat dissipation capacity Pdiss 0 W Heat dissipation per pole, current-dependent Pvid 5.7 W
Heat dissipation per pole, current-dependent Pvid 5.7 W
Rated operational current for specified heat dissipation (In) 65 A
Static heat dissipation, non-current-dependent Pvs 4.1 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 we provide heat dissipation data for the devices.
10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear most observed.
10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear most observed.
10.13 Mechanical function The device meets the requirements, provided the information in the instruction in the instruction 10.13 Mechanical function The device meets the requirements, provided the information in the instruction

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	110 - 110		
Rated control supply voltage Us at AC 60HZ	V	120 - 120		
Rated control supply voltage Us at DC	V	0 - 0		

Voltage type for actuating		AC
Rated operation current le at AC-1, 400 V	А	98
Rated operation current le at AC-3, 400 V	А	65
Rated operation power at AC-3, 400 V	kW	30
Rated operation current le at AC-4, 400 V	А	25
Rated operation power at AC-4, 400 V	kW	12
Rated operation power NEMA	kW	37
Modular version		No
Number of auxiliary contacts as normally open contact		0
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