## **DATASHEET - DILM150(RAC24)**

Contactor, 3 pole, 380 V 400 V 75 kW, RAC 24: 24 V 50/60 Hz, AC operation, Screw terminals



|                               | Part no.              | DILM150(RAC24<br>239585 | 4)                                 |
|-------------------------------|-----------------------|-------------------------|------------------------------------|
|                               | EL Number<br>(Norway) | 4134057                 |                                    |
| <b>General specifications</b> |                       |                         |                                    |
| Product name                  |                       |                         | Eaton Moeller® series DILM contact |
| Part no.                      |                       |                         | DILM150(RAC24)                     |
| EAN                           |                       |                         | 4015082395858                      |
| Product Length/Depth          |                       |                         | 160 millimetre                     |
| Product height                |                       |                         | 170 millimetre                     |
|                               |                       |                         |                                    |

| Part no.                               | DILM150(RAC24)                                                                                                                                                                                                                                                                                                 |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EAN                                    | 4015082395858                                                                                                                                                                                                                                                                                                  |
| Product Length/Depth                   | 160 millimetre                                                                                                                                                                                                                                                                                                 |
| Product height                         | 170 millimetre                                                                                                                                                                                                                                                                                                 |
| Product width                          | 90 millimetre                                                                                                                                                                                                                                                                                                  |
| Product weight                         | 2.25 kilogram                                                                                                                                                                                                                                                                                                  |
| Compliances                            | CE Marked                                                                                                                                                                                                                                                                                                      |
| Certifications                         | IEC 60947-4-1<br>UL 508<br>CSA Std. C22.2 No. 14-05<br>EN 60947-4-1<br>VDE<br>UL<br>UL 60947-4-1<br>IEC/EN 60947-4-1<br>CSA File No.: 012528<br>IEC/EN 60947<br>CSA Class No.: 2411-03, 3211-04<br>CSA<br>VDE 0660<br>CE<br>UL File No.: E29096<br>UL Category Control No.: NLDX<br>CSA-C22.2 No. 60947-4-1-14 |
| Product Tradename                      | DILM                                                                                                                                                                                                                                                                                                           |
| Product Type                           | Contactor                                                                                                                                                                                                                                                                                                      |
| Product Sub Type                       | None                                                                                                                                                                                                                                                                                                           |
| Catalog Notes                          | Contacts according to EN 50012                                                                                                                                                                                                                                                                                 |
| Features & Functions                   |                                                                                                                                                                                                                                                                                                                |
| Fitted with:                           | Suppressor circuit in actuating electronics                                                                                                                                                                                                                                                                    |
| General information                    |                                                                                                                                                                                                                                                                                                                |
| Application                            | Contactors for Motors                                                                                                                                                                                                                                                                                          |
| Degree of protection                   | IP00                                                                                                                                                                                                                                                                                                           |
| Frame size                             | FS4                                                                                                                                                                                                                                                                                                            |
| Lifespan, mechanical                   | 10,000,000 Operations (AC operated)                                                                                                                                                                                                                                                                            |
| Operating frequency                    | 3600 mechanical Operations/h (AC operated)                                                                                                                                                                                                                                                                     |
| Overvoltage category                   | III                                                                                                                                                                                                                                                                                                            |
| Pollution degree                       | 3                                                                                                                                                                                                                                                                                                              |
| Product category                       | Contactors                                                                                                                                                                                                                                                                                                     |
| Protection                             | Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)                                                                                                                                                                                                           |
| Rated impulse withstand voltage (Uimp) | 8000 V AC                                                                                                                                                                                                                                                                                                      |
| Residual current                       | 1 mA (with actuation of A1 - A2 by the electronics with "0" signal)                                                                                                                                                                                                                                            |
| Resistance per pole                    | 0.6 mΩ                                                                                                                                                                                                                                                                                                         |
| Suitable for                           | Also motors with efficiency class IE3                                                                                                                                                                                                                                                                          |
| Utilization category                   | AC-1: Non-inductive or slightly inductive loads, resistance furnaces<br>AC-3: Normal AC induction motors: starting, switch off during running<br>AC-4: Normal AC induction motors: starting, plugging, reversing, inching                                                                                      |
| Voltage type                           | DA DA                                                                                                                                                                                                                                                                                                          |
| Ambient conditions, mechanical         |                                                                                                                                                                                                                                                                                                                |
| Shock resistance                       | 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when<br>tabletop-mounted, Half-sinusoidal shock 10 ms<br>7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-<br>sinusoidal shock 10 ms                                                                        |

7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms 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 when tabletop-mounted, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms

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|----------|---------------|------------|
| CHIMALIC | environmental | CONDITIONS |

| 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<br>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 (copper band)                             | 2 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables                                                                                      |
| Terminal capacity (flexible with ferrule)                   | 2 x (0.75 - 2.5) mm², Control circuit cables<br>1 x (10 - 95) mm², Main cables<br>2 x (10 - 70) mm², Main cables<br>1 x (0.75 - 2.5) mm², Control circuit cables |
| Terminal capacity (solid)                                   | 1 x (0.75 - 4) mm <sup>2</sup> , Control circuit cables<br>2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables                                             |
| Terminal capacity (solid/stranded AWG)                      | 18 - 14, Control circuit cables<br>Single 83/0, double 82/0, Main cables                                                                                         |
| Terminal capacity (stranded)                                | 2 x (16 - 70) mm², Main cables<br>1 x (16 - 95) mm², Main cables                                                                                                 |
| Stripping length (main cable)                               | 24 mm                                                                                                                                                            |
| Stripping length (control circuit cable)                    | 10 mm                                                                                                                                                            |
| Screw size                                                  | M10, Terminal screw, Main cables<br>5 mm AF, Hexagon socket-head spanner, Terminal screw, Main cables<br>M3.5, Terminal screw, Control circuit cables            |
| Screwdriver size                                            | 2, Terminal screw, Control circuit cables, Pozidriv screwdriver<br>0.8 x 5.5/1 x 6 mm, Terminal screw, Control circuit cables, Standard screwdriver              |
| Tightening torque                                           | 1.2 Nm, Screw terminals, Control circuit cables<br>14 Nm, Screw terminals, Main cables                                                                           |
| Electrical rating                                           |                                                                                                                                                                  |
| Rated breaking capacity at 220/230 V                        | 1500 A                                                                                                                                                           |
| Rated breaking capacity at 380/400 V                        | 1500 A                                                                                                                                                           |
| Rated breaking capacity at 500 V                            | 1500 A                                                                                                                                                           |
| Rated breaking capacity at 660/690 V                        | 1200 A                                                                                                                                                           |
| Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V | 190 A                                                                                                                                                            |
| Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V | 150 A                                                                                                                                                            |
| Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V | 150 A                                                                                                                                                            |
| Rated operational current (Ie) at AC-3, 440 V               | 150 A                                                                                                                                                            |
| Rated operational current (Ie) at AC-3, 500 V               | 150 A                                                                                                                                                            |
| Rated operational current (Ie) at AC-3, 660 V, 690 V        | 100 A                                                                                                                                                            |
| Rated operational current (Ie) at AC-4, 220 V, 230 V, 240 V | 65 A                                                                                                                                                             |
| Rated operational current (le) at AC-4, 440 V               | 65 A                                                                                                                                                             |
| Rated operational current (Ie) at AC-4, 500 V               | 65 A                                                                                                                                                             |
| Rated operational current (Ie) at AC-4, 660 V, 690 V        | 50 A                                                                                                                                                             |
| Rated operational current (Ie) at DC-1, 60 V                | 160 A                                                                                                                                                            |
| Rated operational current (Ie) at DC-1, 110 V               | 160 A                                                                                                                                                            |
| Rated operational current (le) at DC-1, 220 V               | 90 A                                                                                                                                                             |
| Rated insulation voltage (Ui)                               | 690 V                                                                                                                                                            |
| Rated making capacity up to 690 V (cos phi to IEC/EN 60947) | 2100 A                                                                                                                                                           |
|                                                             |                                                                                                                                                                  |

| Rated operational power at AC-3, 240 V, 50 Hz                    | 52 kW                                                                                                                                                                                                         |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated operational power at AC-3, 380/400 V, 50 Hz                | 75 kW                                                                                                                                                                                                         |
| Rated operational power at AC-3, 415 V, 50 Hz                    | 91 kW                                                                                                                                                                                                         |
| Rated operational power at AC-3, 440 V, 50 Hz                    | 95 kW                                                                                                                                                                                                         |
| Rated operational power at AC-3, 500 V, 50 Hz                    | 110 kW                                                                                                                                                                                                        |
| Rated operational power at AC-3, 690 V, 50 Hz                    | 96 kW                                                                                                                                                                                                         |
| Rated operational power at AC-4, 220/230 V, 50 Hz                | 20 kW                                                                                                                                                                                                         |
| Rated operational power at AC-4, 240 V, 50 Hz                    | 22 kW                                                                                                                                                                                                         |
| Rated operational power at AC-4, 415 V, 50 Hz                    | 39 kW                                                                                                                                                                                                         |
| Rated operational power at AC-4, 440 V, 50 Hz                    | 41 kW                                                                                                                                                                                                         |
| Rated operational power at AC-4, 500 V, 50 Hz                    | 47 kW                                                                                                                                                                                                         |
| Rated operational power at AC-4, 660/690 V, 50 Hz                | 48 kW                                                                                                                                                                                                         |
| Rated operational voltage (Ue) at AC - max                       | 690 V                                                                                                                                                                                                         |
| Short-circuit rating                                             |                                                                                                                                                                                                               |
| Short-circuit current rating (basic rating)                      | 10 kA, SCCR (UL/CSA)<br>600 A, max. CB, SCCR (UL/CSA)<br>600 A, max. Fuse, SCCR (UL/CSA)                                                                                                                      |
| Short-circuit current rating (high fault at 480 V)               | 65 kA, CB, SCCR (UL/CSA)<br>300/300 A, Class J, max. Fuse, SCCR (UL/CSA)<br>30/100 kA, Fuse, SCCR (UL/CSA)<br>250 A, max. CB, SCCR (UL/CSA)                                                                   |
| Short-circuit current rating (high fault at 600 V)               | 300/600 A, Class J, max. Fuse, SCCR (UL/CSA)<br>30 KA, CB, SCCR (UL/CSA)<br>30/100 KA, Fuse, SCCR (UL/CSA)<br>350 A, max. CB, SCCR (UL/CSA)                                                                   |
| Short-circuit protection rating (type 1 coordination) at 400 V   | 250 A gG/gL                                                                                                                                                                                                   |
| Short-circuit protection rating (type 1 coordination) at 690 V   | 250 A gG/gL                                                                                                                                                                                                   |
| Short-circuit protection rating (type 2 coordination) at 400 V   | 250 A gG/gL                                                                                                                                                                                                   |
| Short-circuit protection rating (type 2 coordination) at 690 V   | 250 A gG/gL                                                                                                                                                                                                   |
| Conventional thermal current Ith                                 |                                                                                                                                                                                                               |
| Conventional thermal current ith (1-pole, enclosed)              | 360 A                                                                                                                                                                                                         |
| Conventional thermal current ith (3-pole, enclosed)              | 144 A                                                                                                                                                                                                         |
| Conventional thermal current ith at 55°C (3-pole, open)          | 170 A                                                                                                                                                                                                         |
| Conventional thermal current ith at 60°C (3-pole, open)          | 160 A                                                                                                                                                                                                         |
| Conventional thermal current ith of main contacts (1-pole, open) | 400 A                                                                                                                                                                                                         |
| Switching capacity                                               |                                                                                                                                                                                                               |
| Switching capacity (main contacts, general use)                  | 225 A, Maximum motor rating (UL/CSA)                                                                                                                                                                          |
|                                                                  |                                                                                                                                                                                                               |
| Magnet system                                                    |                                                                                                                                                                                                               |
| Arcing time                                                      | 15 ms                                                                                                                                                                                                         |
| Drop-out voltage                                                 | AC operated: 0.6 - 0.25 x UC, AC operated                                                                                                                                                                     |
| Duty factor                                                      | 100 %                                                                                                                                                                                                         |
| Pick-up voltage                                                  | 0.8 - 1.15 V AC x Uc                                                                                                                                                                                          |
| Power consumption, pick-up, 50 Hz                                | 180 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz                                                                                                                                            |
| Power consumption, pick-up, 60 Hz                                | 170 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz                                                                                                                                            |
| Power consumption, sealing, 50 Hz                                | 2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz<br>3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz<br>3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz |
| Power consumption, sealing, 60 Hz                                | 2.3 W, 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             | 24 V                                                                                                                                                                                                          |
| Rated control supply voltage (Us) at AC, 50 Hz - max             | 24 V                                                                                                                                                                                                          |
| Rated control supply voltage (Us) at AC, 60 Hz - min             | 24 V                                                                                                                                                                                                          |
| Rated control supply voltage (Us) at AC, 60 Hz - max             | 24 V                                                                                                                                                                                                          |
| Rated control supply voltage (Us) at DC - min                    | 0 V                                                                                                                                                                                                           |
| Rated control supply voltage (Us) at DC - max                    | 0 V                                                                                                                                                                                                           |
| Switching time (AC operated, make contacts, closing delay) - min | 28 ms                                                                                                                                                                                                         |
| Switching time (AC operated, make contacts, closing delay) - max | 33 ms                                                                                                                                                                                                         |
| Switching time (AC operated, make contacts, opening delay) - min | 35 ms                                                                                                                                                                                                         |
| Switching time (AC operated, make contacts, opening delay) - max | 41 ms                                                                                                                                                                                                         |
| Motor rating                                                     |                                                                                                                                                                                                               |
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| Assisted motor source at 115/100 V CO Hz 1, shace                                | 10.11D                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assigned motor power at 115/120 V, 60 Hz, 1-phase                                | 10 HP                                                                                                                                                                                                                                                                                              |
| Assigned motor power at 200/208 V, 60 Hz, 3-phase                                | 50 HP                                                                                                                                                                                                                                                                                              |
| Assigned motor power at 230/240 V, 60 Hz, 1-phase                                | 30 HP                                                                                                                                                                                                                                                                                              |
| Assigned motor power at 230/240 V, 60 Hz, 3-phase                                | 60 HP                                                                                                                                                                                                                                                                                              |
| Assigned motor power at 460/480 V, 60 Hz, 3-phase                                | 125 HP                                                                                                                                                                                                                                                                                             |
| Assigned motor power at 575/600 V, 60 Hz, 3-phase                                | 125 HP                                                                                                                                                                                                                                                                                             |
| Communication                                                                    |                                                                                                                                                                                                                                                                                                    |
| Connection                                                                       | Screw terminals                                                                                                                                                                                                                                                                                    |
| Connection to SmartWire-DT                                                       | No                                                                                                                                                                                                                                                                                                 |
| Contacts                                                                         |                                                                                                                                                                                                                                                                                                    |
| Number of auxiliary contacts (normally closed contacts)                          | 0                                                                                                                                                                                                                                                                                                  |
| Number of auxiliary contacts (normally open contacts)                            | 0                                                                                                                                                                                                                                                                                                  |
| Safety                                                                           |                                                                                                                                                                                                                                                                                                    |
| Safe isolation                                                                   | 690 V AC, Between the contacts, According to EN 61140<br>690 V AC, Between coil and contacts, According to EN 61140                                                                                                                                                                                |
| Special purpose ratings                                                          |                                                                                                                                                                                                                                                                                                    |
| Special purpose rating of ballast electrical discharge lamps                     | 160 A (600V 60Hz 3phase, 347V 60Hz 1phase)                                                                                                                                                                                                                                                         |
| Special surross rating of definite surross rating                                | 160 A (480V 60Hz 3phase, 277V 60Hz 1phase)                                                                                                                                                                                                                                                         |
| Special purpose rating of definite purpose rating                                | 900 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)<br>150 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)                                                                                                                                                     |
| Special purpose rating of elevator control                                       | 40 HP, 240 V 60 Hz 3-ph, (UL/CSA)<br>100 HP, 600 V 60 Hz 3-ph, (UL/CSA)<br>30 HP, 200 V 60 Hz 3-ph, (UL/CSA)<br>104 A, 240 V 60 Hz 3-ph, (UL/CSA)<br>99 A, 600 V 60 Hz 3-ph, (UL/CSA)<br>75 HP, 480 V 60 Hz 3-ph, (UL/CSA)<br>92 A, 200 V 60 Hz 3-ph, (UL/CSA)<br>96 A, 480 V 60 Hz 3-ph, (UL/CSA) |
| Special purpose rating of refrigeration control (CSA only)                       | 90 A, FLA 600 V 60 Hz 3phase; (CSA)<br>90 A, FLA 480 V 60 Hz 3phase; (CSA)<br>540 A, LRA 480 V 60 Hz 3phase; (CSA)<br>540 A, LRA 600 V 60 Hz 3phase; (CSA)                                                                                                                                         |
| Special purpose rating of resistance air heating                                 | 160 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)<br>160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)                                                                                                                                                                                 |
| Special purpose rating of tungsten incandescent lamps                            | 160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)<br>160 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)                                                                                                                                                                                 |
| Design verification                                                              |                                                                                                                                                                                                                                                                                                    |
| Equipment heat dissipation, current-dependent Pvid                               | 32.1 W                                                                                                                                                                                                                                                                                             |
| Heat dissipation capacity Pdiss                                                  | 0 W                                                                                                                                                                                                                                                                                                |
| Heat dissipation per pole, current-dependent Pvid                                | 10.7 W                                                                                                                                                                                                                                                                                             |
| Rated operational current for specified heat dissipation (In)                    | 150 A                                                                                                                                                                                                                                                                                              |
| Static heat dissipation, non-current-dependent Pvs                               | 2.3 W                                                                                                                                                                                                                                                                                              |
| 10.2.2 Corrosion resistance                                                      | Meets the product standard's requirements.                                                                                                                                                                                                                                                         |
| 10.2.3.1 Verification of thermal stability of enclosures                         | Meets the product standard's requirements.                                                                                                                                                                                                                                                         |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat       | Meets the product standard's requirements.                                                                                                                                                                                                                                                         |
| 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects | Meets the product standard's requirements.                                                                                                                                                                                                                                                         |
| 10.2.4 Resistance to ultra-violet (UV) radiation                                 | Meets the product standard's requirements.                                                                                                                                                                                                                                                         |
| 10.2.5 Lifting                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                                                                                                                                                                                                                 |
| 10.2.6 Mechanical impact                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                                                                                                                                                                                                                 |
| 10.2.7 Inscriptions                                                              | Meets the product standard's requirements.                                                                                                                                                                                                                                                         |
| 10.2 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.                                                                                                                                                                                                                                 |
| 10.5 Protection against electric shock                                           | Does not apply, since the entire switchgear needs to be evaluated.                                                                                                                                                                                                                                 |
| 10.7 Internal electrical circuits and connections                                | Is the panel builder's responsibility.                                                                                                                                                                                                                                                             |
| 10.7 Internal electrical circuits and connections                                | Is the panel builder's responsibility.                                                                                                                                                                                                                                                             |
| 10.9 Connections for external conductors                                         | Is the panel builder's responsibility.                                                                                                                                                                                                                                                             |
| 10.9.2 Fower-nequency electric strength                                          | Is the panel builder's responsibility.                                                                                                                                                                                                                                                             |
|                                                                                  | Is the panel builder's responsibility.                                                                                                                                                                                                                                                             |
| 10.9.4 Testing of enclosures made of insulating material                         |                                                                                                                                                                                                                                                                                                    |
| 10.10 Temperature rise                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will<br>provide heat dissipation data for the devices.                                                                                                                                                                |

| 10.11 Short-circuit rating          | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
|-------------------------------------|----------------------------------------------------------------------------------------------------------|
| 10.12 Electromagnetic compatibility | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| 10.13 Mechanical function           | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

## **Technical data ETIM 9.0**

| Low-voltage industrial components (EG000017) / Power contactor, AC switching (E                                                                                                   | 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                                                                                       | 24 - 24          |  |  |
| Rated control supply voltage AC 60 Hz                                                                                                                                             | V                                                                                       | 24 - 24          |  |  |
| Rated control supply voltage DC                                                                                                                                                   | V                                                                                       | 0 - 0            |  |  |
| Voltage type for actuating                                                                                                                                                        |                                                                                         | AC               |  |  |
| Number of normally closed contacts as main contact                                                                                                                                |                                                                                         | 0                |  |  |
| Number of normally open contacts as main contact                                                                                                                                  |                                                                                         | 3                |  |  |
| Type of electrical connection of main circuit                                                                                                                                     |                                                                                         | Screw connection |  |  |
| Operating voltage AC 50 Hz                                                                                                                                                        | V                                                                                       | 230 - 690        |  |  |
| Operating voltage AC 60 Hz                                                                                                                                                        | V                                                                                       | 230 - 690        |  |  |
| Rated operation current le at AC-1, 400 V                                                                                                                                         | А                                                                                       | 190              |  |  |
| Rated operation current le at AC-3, 400 V                                                                                                                                         | А                                                                                       | 150              |  |  |
| Rated operation power at AC-3, 400 V                                                                                                                                              | kW                                                                                      | 75               |  |  |
| Rated operation current le at AC-4, 400 V                                                                                                                                         | А                                                                                       | 65               |  |  |
| Rated operation power at AC-4, 400 V                                                                                                                                              | kW                                                                                      | 33               |  |  |
| Rated operation power NEMA                                                                                                                                                        | kW                                                                                      | 93               |  |  |
| Number of auxiliary contacts as normally open contact                                                                                                                             |                                                                                         | 0                |  |  |
| Number of auxiliary contacts as normally closed contact                                                                                                                           |                                                                                         | 0                |  |  |
| Modular version                                                                                                                                                                   |                                                                                         | No               |  |  |
| Width                                                                                                                                                                             | mm                                                                                      | 90               |  |  |
| Height                                                                                                                                                                            | mm                                                                                      | 170              |  |  |
| Depth                                                                                                                                                                             | mm                                                                                      | 160              |  |  |