


**Contactor, 3p+1N/C, 7.5kW/400V/AC3**

**Part no.** DILM15-01(24V50/60HZ)  
**Catalog No.** 290097  
**Eaton Catalog No.** XTCE015B01T

## Delivery program

|                      |  |  |                                                                                                                                                                                                                            |
|----------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product range        |  |  | Contactors                                                                                                                                                                                                                 |
| Application          |  |  | Contactors for Motors                                                                                                                                                                                                      |
| Subrange             |  |  | Contactors up to 170 A, 3 pole                                                                                                                                                                                             |
| Utilization category |  |  | AC-1: Non-inductive or slightly inductive loads, resistance furnaces<br>NAC-3: Normal AC induction motors: starting, switch off during running<br>AC-4: Normal AC induction motors: starting, plugging, reversing, inching |
| Notes                |  |  | Not suitable for motors with efficiency class IE3.                                                                                                                                                                         |
| Connection technique |  |  | Screw terminals                                                                                                                                                                                                            |
| Number of poles      |  |  | 3 pole                                                                                                                                                                                                                     |

## Rated operational current

|                                                           |                |   |      |
|-----------------------------------------------------------|----------------|---|------|
| AC-3                                                      |                |   |      |
| 380 V 400 V                                               | $I_e$          | A | 15.5 |
| AC-1                                                      |                |   |      |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz |                |   |      |
| Open                                                      |                |   |      |
| at 40 °C                                                  | $I_{th} = I_e$ | A | 22   |
| enclosed                                                  | $I_{th}$       | A | 18   |
| Conventional free air thermal current, 1 pole             |                |   |      |
| open                                                      | $I_{th}$       | A | 50   |
| enclosed                                                  | $I_{th}$       | A | 45   |

## Max. rating for three-phase motors, 50 - 60 Hz

|             |   |    |     |
|-------------|---|----|-----|
| AC-3        |   |    |     |
| 220 V 230 V | P | kW | 4   |
| 380 V 400 V | P | kW | 7.5 |
| 660 V 690 V | P | kW | 7   |
| AC-4        |   |    |     |
| 220 V 230 V | P | kW | 2   |
| 380 V 400 V | P | kW | 3   |
| 660 V 690 V | P | kW | 4.4 |

## Contacts

|                       |  |  |      |
|-----------------------|--|--|------|
| N/C = Normally closed |  |  | 1 NC |
| Contact sequence      |  |  |      |

## Instructions

|                                        |  |  |                                                |
|----------------------------------------|--|--|------------------------------------------------|
| Can be combined with auxiliary contact |  |  | Contacts to EN 50 012.<br>with mirror contact. |
| Actuating voltage                      |  |  | DILA-XHI(V)..                                  |
| Voltage AC/DC                          |  |  | 24 V 50/60 Hz                                  |
| Connection to SmartWire-DT             |  |  | AC operation                                   |
|                                        |  |  | no                                             |

## Technical data

### General

|                      |            |               |                                 |
|----------------------|------------|---------------|---------------------------------|
| Standards            |            |               | IEC/EN 60947, VDE 0660, UL, CSA |
| Lifespan, mechanical |            |               |                                 |
| AC operated          | Operations | $\times 10^6$ | 10                              |

|                                                                       |                 |  |                                                                                    |
|-----------------------------------------------------------------------|-----------------|--|------------------------------------------------------------------------------------|
| Operating frequency, mechanical                                       |                 |  |                                                                                    |
| AC operated                                                           | Operations/h    |  | 5000                                                                               |
| Climatic proofing                                                     |                 |  | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30     |
| Ambient temperature                                                   |                 |  |                                                                                    |
| Open                                                                  | °C              |  | -25 - +60                                                                          |
| Enclosed                                                              | °C              |  | - 25 - 40                                                                          |
| Storage                                                               | °C              |  | - 40 - 80                                                                          |
| Mounting position                                                     |                 |  |  |
| Mechanical shock resistance (IEC/EN 60068-2-27)                       |                 |  |                                                                                    |
| Half-sinusoidal shock, 10 ms                                          |                 |  |                                                                                    |
| Main contacts                                                         |                 |  |                                                                                    |
| N/O contact                                                           | g               |  | 10                                                                                 |
| Auxiliary contacts                                                    |                 |  |                                                                                    |
| N/O contact                                                           | g               |  | 7                                                                                  |
| N/C contact                                                           | g               |  | 5                                                                                  |
| Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted |                 |  |                                                                                    |
| Half-sinusoidal shock, 10 ms                                          |                 |  |                                                                                    |
| Main contacts                                                         |                 |  |                                                                                    |
| N/O contact                                                           | g               |  | 5.7                                                                                |
| Auxiliary contacts                                                    |                 |  |                                                                                    |
| N/O contact                                                           | g               |  | 3.4                                                                                |
| N/C contact                                                           | g               |  | 3.4                                                                                |
| Degree of Protection                                                  |                 |  | IP20                                                                               |
| Protection against direct contact when actuated from front (EN 50274) |                 |  | Finger and back-of-hand proof                                                      |
| Weight                                                                |                 |  |                                                                                    |
| AC operated                                                           | kg              |  | 0.24                                                                               |
| Screw connector terminals                                             |                 |  |                                                                                    |
| Terminal capacity main cable                                          |                 |  |                                                                                    |
| Solid                                                                 | mm <sup>2</sup> |  | 1 x (0.75 - 4)<br>2 x (0.75 - 2.5)                                                 |
| Flexible with ferrule                                                 | mm <sup>2</sup> |  | 1 x (0.75 - 2.5)<br>2 x (0.75 - 2.5)                                               |
| Solid or stranded                                                     | AWG             |  | single 18 - 10, double 18 - 14                                                     |
| Stripping length                                                      | mm              |  | 10                                                                                 |
| Terminal screw                                                        |                 |  | M3.5                                                                               |
| Tightening torque                                                     | Nm              |  | 1.2                                                                                |
| Tool                                                                  |                 |  |                                                                                    |
| Pozidriv screwdriver                                                  | Size            |  | 2                                                                                  |
| Standard screwdriver                                                  | mm              |  | 0.8 x 5.5<br>1 x 6                                                                 |
| Terminal capacity control circuit cables                              |                 |  |                                                                                    |
| Solid                                                                 | mm <sup>2</sup> |  | 1 x (0.75 - 4)<br>2 x (0.75 - 2.5)                                                 |
| Flexible with ferrule                                                 | mm <sup>2</sup> |  | 1 x (0.75 - 2.5)<br>2 x (0.75 - 2.5)                                               |
| Solid or stranded                                                     | AWG             |  | 18 - 14                                                                            |
| Stripping length                                                      | mm              |  | 10                                                                                 |
| Terminal screw                                                        |                 |  | M3.5                                                                               |
| Tightening torque                                                     | Nm              |  | 1.2                                                                                |
| Tool                                                                  |                 |  |                                                                                    |
| Pozidriv screwdriver                                                  | Size            |  | 2                                                                                  |
| Standard screwdriver                                                  | mm              |  | 0.8 x 5.5                                                                          |

|                                                           |                |      |       |
|-----------------------------------------------------------|----------------|------|-------|
|                                                           |                |      | 1 x 6 |
| <b>Main conducting paths</b>                              |                |      |       |
| Rated impulse withstand voltage                           | $U_{imp}$      | V AC | 8000  |
| Overvoltage category/pollution degree                     |                |      | III/3 |
| Rated insulation voltage                                  | $U_i$          | V AC | 690   |
| Rated operational voltage                                 | $U_e$          | V AC | 690   |
| Safe isolation to EN 61140                                |                |      |       |
| between coil and contacts                                 |                | V AC | 400   |
| between the contacts                                      |                | V AC | 400   |
| Making capacity (p.f. to IEC/EN 60947)                    |                |      |       |
|                                                           | Up to 690 V    | A    | 155   |
| Breaking capacity                                         |                |      |       |
| 220 V 230 V                                               |                | A    | 124   |
| 380 V 400 V                                               |                | A    | 124   |
| 500 V                                                     |                | A    | 100   |
| 660 V 690 V                                               |                | A    | 70    |
| Short-circuit rating                                      |                |      |       |
| Short-circuit protection maximum fuse                     |                |      |       |
| Type “2” coordination                                     |                |      |       |
| 400 V                                                     | gG/gL 500 V    | A    | 20    |
| 690 V                                                     | gG/gL 690 V    | A    | 20    |
| Type “1” coordination                                     |                |      |       |
| 400 V                                                     | gG/gL 500 V    | A    | 63    |
| 690 V                                                     | gG/gL 690 V    | A    | 50    |
| <b>AC</b>                                                 |                |      |       |
| <b>AC-1</b>                                               |                |      |       |
| Rated operational current                                 |                |      |       |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz |                |      |       |
| Open                                                      |                |      |       |
| at 40 °C                                                  | $I_{th} = I_e$ | A    | 22    |
| at 50 °C                                                  | $I_{th} = I_e$ | A    | 21    |
| at 55 °C                                                  | $I_{th} = I_e$ | A    | 21    |
| at 60 °C                                                  | $I_{th} = I_e$ | A    | 20    |
| enclosed                                                  | $I_{th}$       | A    | 18    |
| Conventional free air thermal current, 1 pole             |                |      |       |
| open                                                      | $I_{th}$       | A    | 50    |
| enclosed                                                  | $I_{th}$       | A    | 45    |
| <b>AC-3</b>                                               |                |      |       |
| Rated operational current                                 |                |      |       |
| Open, 3-pole: 50 – 60 Hz                                  |                |      |       |
| 220 V 230 V                                               | $I_e$          | A    | 15.5  |
| 240 V                                                     | $I_e$          | A    | 15.5  |
| 380 V 400 V                                               | $I_e$          | A    | 15.5  |
| 415 V                                                     | $I_e$          | A    | 15.5  |
| 440V                                                      | $I_e$          | A    | 15.5  |
| 500 V                                                     | $I_e$          | A    | 12.5  |
| 660 V 690 V                                               | $I_e$          | A    | 9     |
| 380 V 400 V                                               | $I_e$          | A    | 15.5  |
| Motor rating                                              | P              | kWh  |       |
| 220 V 230 V                                               | P              | kW   | 4     |
| 240V                                                      | P              | kW   | 4.6   |
| 380 V 400 V                                               | P              | kW   | 7.5   |
| 415 V                                                     | P              | kW   | 8     |
| 440 V                                                     | P              | kW   | 8.4   |

|                          |                |     |     |
|--------------------------|----------------|-----|-----|
| 500 V                    | P              | kW  | 7.5 |
| 660 V 690 V              | P              | kW  | 7   |
| AC-4                     |                |     |     |
| Open, 3-pole: 50 – 60 Hz |                |     |     |
| 220 V 230 V              | I <sub>e</sub> | A   | 7   |
| 240 V                    | I <sub>e</sub> | A   | 7   |
| 380 V 400 V              | I <sub>e</sub> | A   | 7   |
| 415 V                    | I <sub>e</sub> | A   | 7   |
| 440 V                    | I <sub>e</sub> | A   | 7   |
| 500 V                    | I <sub>e</sub> | A   | 6   |
| 660 V 690 V              | I <sub>e</sub> | A   | 5   |
| Motor rating             | P              | kWh |     |
| 220 V 230 V              | P              | kW  | 2   |
| 240 V                    | P              | kW  | 2.2 |
| 380 V 400 V              | P              | kW  | 3   |
| 415 V                    | P              | kW  | 3.4 |
| 440 V                    | P              | kW  | 3.6 |
| 500 V                    | P              | kW  | 3.5 |
| 660 V 690 V              | P              | kW  | 4.4 |

## DC

|                                 |                |   |    |
|---------------------------------|----------------|---|----|
| Rated operational current, open |                |   |    |
| DC-1                            |                |   |    |
| 60 V                            | I <sub>e</sub> | A | 20 |
| 110 V                           | I <sub>e</sub> | A | 20 |
| 220 V                           | I <sub>e</sub> | A | 15 |

## Current heat loss

|                                                   |  |    |     |
|---------------------------------------------------|--|----|-----|
| 3 pole, at I <sub>th</sub> (60°)                  |  | W  | 2.5 |
| Current heat loss at I <sub>e</sub> to AC-3/400 V |  | W  | 1.5 |
| Impedance per pole                                |  | mΩ | 2.5 |

## Magnet systems

|                                                                        |          |                   |                                                                                    |
|------------------------------------------------------------------------|----------|-------------------|------------------------------------------------------------------------------------|
| Voltage tolerance                                                      |          |                   |                                                                                    |
| AC operated                                                            | Pick-up  | x U <sub>c</sub>  | 0.8 - 1.1                                                                          |
| Drop-out voltage AC operated                                           | Drop-out | x U <sub>c</sub>  | 0.3 - 0.6                                                                          |
| Power consumption of the coil in a cold state and 1.0 x U <sub>S</sub> |          |                   |                                                                                    |
| 50/60 Hz                                                               | Pick-up  | VA                | 27<br>25                                                                           |
| 50/60 Hz                                                               | Sealing  | VA                | 4.2<br>3.3                                                                         |
| 50/60 Hz                                                               | Sealing  | W                 | 1.4<br>1.2                                                                         |
| Duty factor                                                            |          | % DF              | 100                                                                                |
| Changeover time at 100 % U <sub>S</sub> (recommended value)            |          |                   |                                                                                    |
| Main contacts                                                          |          |                   |                                                                                    |
| AC operated                                                            |          |                   |                                                                                    |
| Closing delay                                                          |          | ms                | 15 - 21                                                                            |
| Opening delay                                                          |          | ms                | 9 - 18                                                                             |
| Arcing time                                                            |          | ms                | 10                                                                                 |
| Lifespan, mechanical; Coil 50/60 Hz                                    |          | x 10 <sup>6</sup> | Mechanical lifespan at 50 Hz approx. 30% lower than under → Technical data general |

## Electromagnetic compatibility (EMC)

|                       |  |  |               |
|-----------------------|--|--|---------------|
| Emitted interference  |  |  | to EN 60947-1 |
| Interference immunity |  |  | to EN 60947-1 |

## Rating data for approved types

|                      |  |    |   |
|----------------------|--|----|---|
| Switching capacity   |  |    |   |
| Maximum motor rating |  |    |   |
| Three-phase          |  |    |   |
| 200 V                |  | HP | 5 |

|                                                           |      |                         |
|-----------------------------------------------------------|------|-------------------------|
| 208 V                                                     |      |                         |
| 230 V<br>240 V                                            | HP   | 5                       |
| 460 V<br>480 V                                            | HP   | 10                      |
| 575 V<br>600 V                                            | HP   | 10                      |
| Single-phase                                              |      |                         |
| 115 V<br>120 V                                            | HP   | 1                       |
| 230 V<br>240 V                                            | HP   | 3                       |
| General use                                               | A    | 20                      |
| Auxiliary contacts                                        |      |                         |
| Pilot Duty                                                |      |                         |
| AC operated                                               |      | A600                    |
| DC operated                                               |      | P300                    |
| General Use                                               |      |                         |
| AC                                                        | V    | 600                     |
| AC                                                        | A    | 10                      |
| DC                                                        | V    | 250                     |
| DC                                                        | A    | 1                       |
| Short Circuit Current Rating                              | SCCR |                         |
| Basic Rating                                              |      |                         |
| SCCR                                                      | kA   | 5                       |
| max. Fuse                                                 | A    | 45                      |
| max. CB                                                   | A    | 60                      |
| 480 V High Fault                                          |      |                         |
| SCCR (fuse)                                               | kA   | 30/100                  |
| max. Fuse                                                 | A    | 25 Class RK5/60 Class J |
| 600 V High Fault                                          |      |                         |
| SCCR (fuse)                                               | kA   | 30/100                  |
| max. Fuse                                                 | A    | 25 Class RK5/60 Class J |
| Special Purpose Ratings                                   |      |                         |
| Electrical Discharge Lamps (Ballast)                      |      |                         |
| 480V 60Hz 3phase, 277V 60Hz 1phase                        | A    | 20                      |
| 600V 60Hz 3phase, 347V 60Hz 1phase                        | A    | 20                      |
| Incandescent Lamps (Tungsten)                             |      |                         |
| 480V 60Hz 3phase, 277V 60Hz 1phase                        | A    | 14                      |
| 600V 60Hz 3phase, 347V 60Hz 1phase                        | A    | 14                      |
| Resistance Air Heating                                    |      |                         |
| 480V 60Hz 3phase, 277V 60Hz 1phase                        | A    | 20                      |
| 600V 60Hz 3phase, 347V 60Hz 1phase                        | A    | 20                      |
| Refrigeration Control (CSA only)                          |      |                         |
| LRA 480V 60Hz 3phase                                      | A    | 60                      |
| FLA 480V 60Hz 3phase                                      | A    | 10                      |
| LRA 600V 60Hz 3phase                                      | A    | 60                      |
| FLA 600V 60Hz 3phase                                      | A    | 10                      |
| Definite Purpose Ratings (100,000 cycles acc. to UL 1995) |      |                         |
| LRA 480V 60Hz 3phase                                      | A    | 90                      |
| FLA 480V 60Hz 3phase                                      | A    | 15                      |
| Elevator Control                                          |      |                         |
| 200V 60Hz 3phase                                          | HP   | 2                       |
| 200V 60Hz 3phase                                          | A    | 7.8                     |
| 240V 60Hz 3phase                                          | HP   | 3                       |
| 240V 60Hz 3phase                                          | A    | 9.6                     |
| 480V 60Hz 3phase                                          | HP   | 7.5                     |

|                  |    |     |
|------------------|----|-----|
| 480V 60Hz 3phase | A  | 11  |
| 600V 60Hz 3phase | HP | 7.5 |
| 600V 60Hz 3phase | A  | 9   |

## Design verification as per IEC/EN 61439

|                                                                                                                        |                   |    |                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------|-------------------|----|----------------------------------------------------------------------------------------------------------------------------------|
| Technical data for design verification                                                                                 |                   |    |                                                                                                                                  |
| Rated operational current for specified heat dissipation                                                               | I <sub>n</sub>    | A  | 15.5                                                                                                                             |
| Heat dissipation per pole, current-dependent                                                                           | P <sub>vid</sub>  | W  | 0.5                                                                                                                              |
| Equipment heat dissipation, current-dependent                                                                          | P <sub>vid</sub>  | W  | 0                                                                                                                                |
| Static heat dissipation, non-current-dependent                                                                         | P <sub>vs</sub>   | W  | 1.4                                                                                                                              |
| Heat dissipation capacity                                                                                              | P <sub>diss</sub> | W  | 0                                                                                                                                |
| Operating ambient temperature min.                                                                                     |                   | °C | -25                                                                                                                              |
| Operating ambient temperature max.                                                                                     |                   | °C | 60                                                                                                                               |
| IEC/EN 61439 design verification                                                                                       |                   |    |                                                                                                                                  |
| 10.2 Strength of materials and parts                                                                                   |                   |    |                                                                                                                                  |
| 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties                                                                                             |                   |    |                                                                                                                                  |
| 10.9.2 Power-frequency electric strength                                                                               |                   |    | Is the panel builder's responsibility.                                                                                           |
| 10.9.3 Impulse withstand voltage                                                                                       |                   |    | Is the panel builder's responsibility.                                                                                           |
| 10.9.4 Testing of enclosures made of insulating material                                                               |                   |    | Is the panel builder's responsibility.                                                                                           |
| 10.10 Temperature rise                                                                                                 |                   |    | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating                                                                                             |                   |    | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.12 Electromagnetic compatibility                                                                                    |                   |    | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.13 Mechanical function                                                                                              |                   |    | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |

## Technical data ETIM 7.0

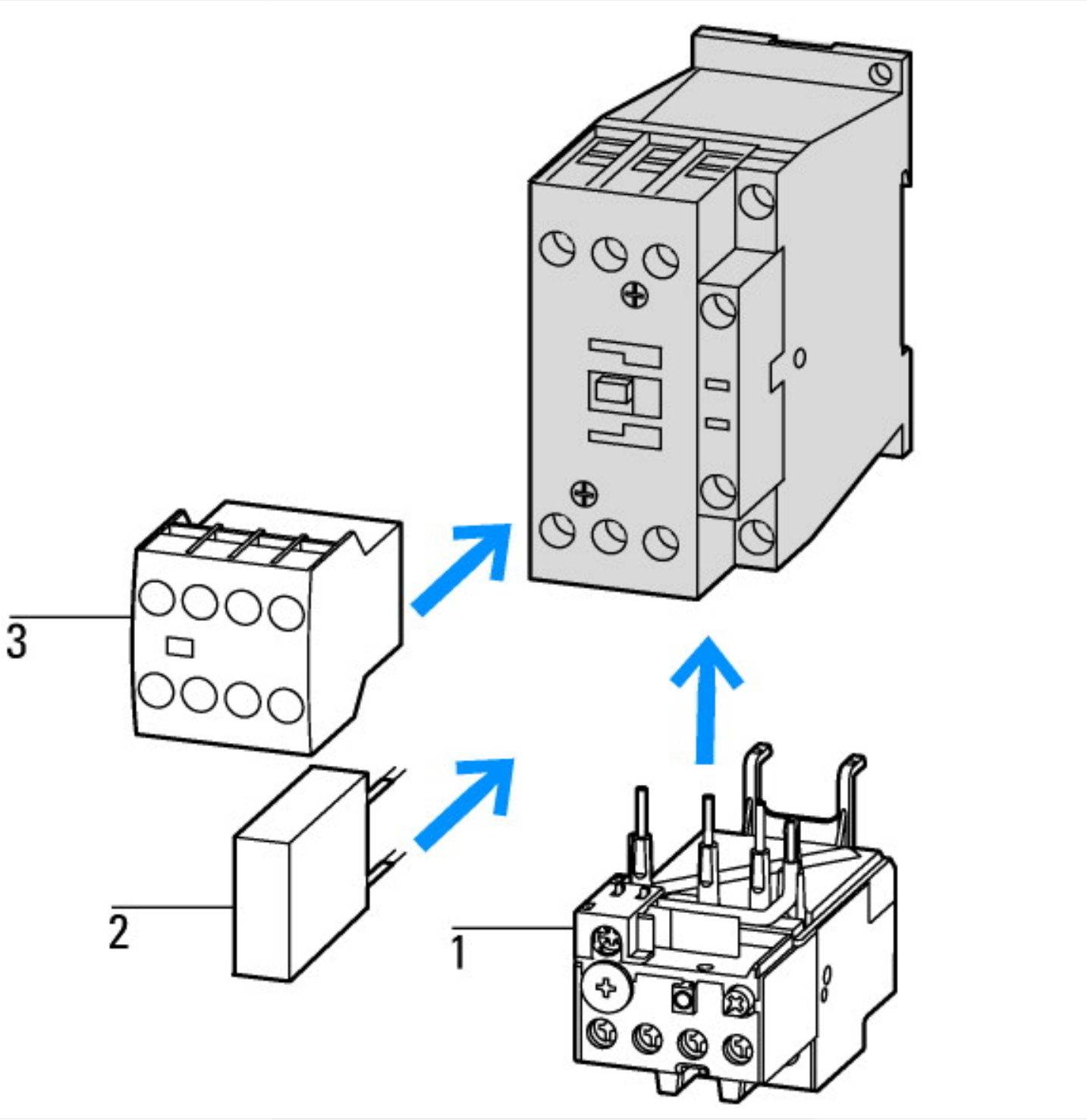
|                                                                                                                                                                                       |    |         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------|--|
| 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  | 24 - 24 |  |
| Rated control supply voltage Us at AC 60HZ                                                                                                                                            | V  | 24 - 24 |  |
| Rated control supply voltage Us at DC                                                                                                                                                 | V  | 0 - 0   |  |
| Voltage type for actuating                                                                                                                                                            |    | AC      |  |
| Rated operation current Ie at AC-1, 400 V                                                                                                                                             | A  | 22      |  |
| Rated operation current Ie at AC-3, 400 V                                                                                                                                             | A  | 15.5    |  |
| Rated operation power at AC-3, 400 V                                                                                                                                                  | kW | 7.5     |  |
| Rated operation current Ie at AC-4, 400 V                                                                                                                                             | A  | 7       |  |
| Rated operation power at AC-4, 400 V                                                                                                                                                  | kW | 3       |  |
| Rated operation power NEMA                                                                                                                                                            | kW | 7.4     |  |
| Modular version                                                                                                                                                                       |    | No      |  |

|                                                         |  |                  |
|---------------------------------------------------------|--|------------------|
| Number of auxiliary contacts as normally open contact   |  | 0                |
| Number of auxiliary contacts as normally closed contact |  | 1                |
| Type of electrical connection of main circuit           |  | Screw connection |
| Number of normally closed contacts as main contact      |  | 0                |
| Number of main contacts as normally open contact        |  | 3                |

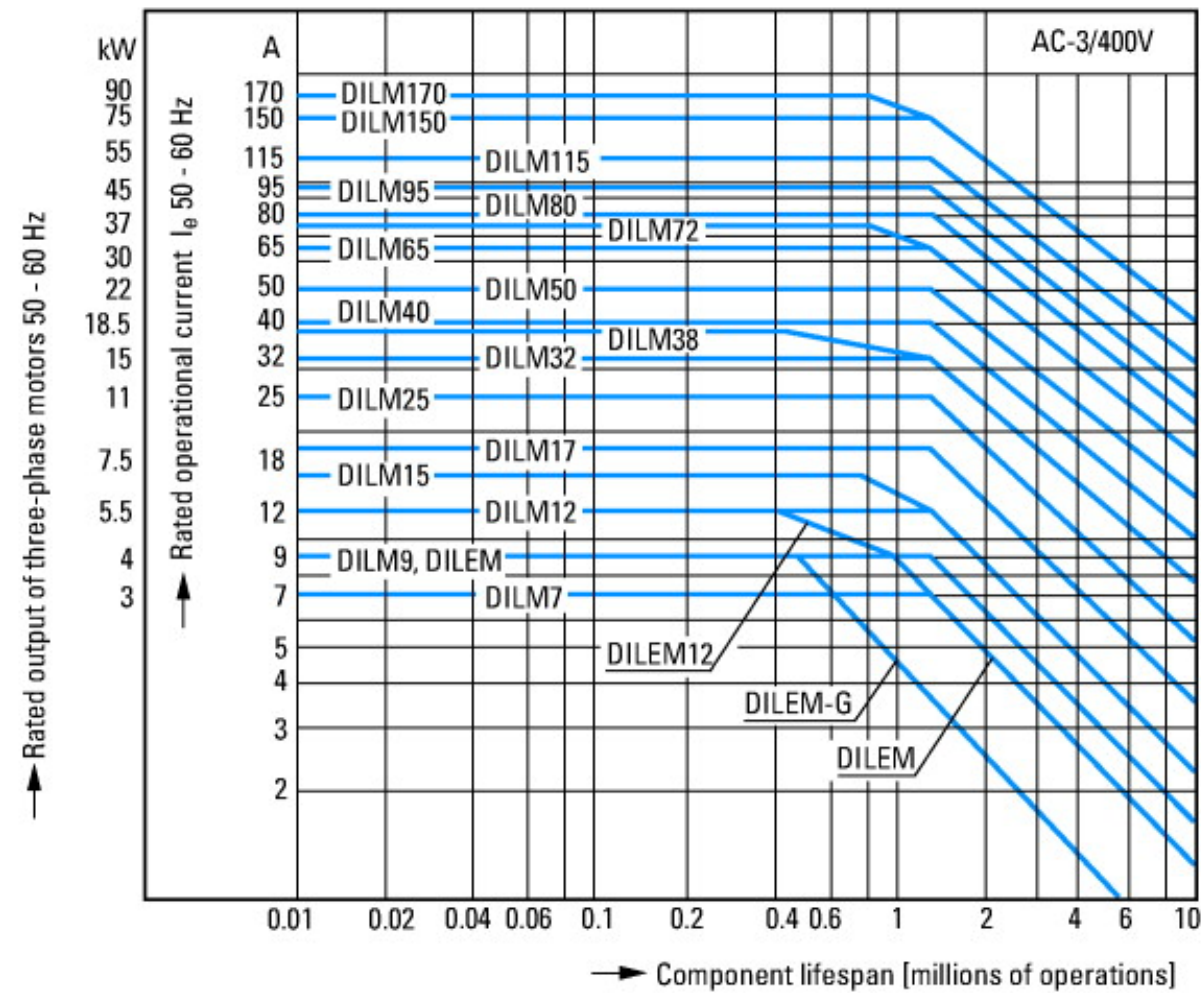
### Approvals

|                                      |  |                                                                          |
|--------------------------------------|--|--------------------------------------------------------------------------|
| Product Standards                    |  | IEC/EN 60947-4-1; UL 60947-4-1; CSA - C22.2 No. 60947-4-1-14; CE marking |
| UL File No.                          |  | E29096                                                                   |
| UL Category Control No.              |  | NLDX                                                                     |
| CSA File No.                         |  | 012528                                                                   |
| CSA Class No.                        |  | 2411-03, 3211-04                                                         |
| North America Certification          |  | UL listed, CSA certified                                                 |
| Specially designed for North America |  | No                                                                       |

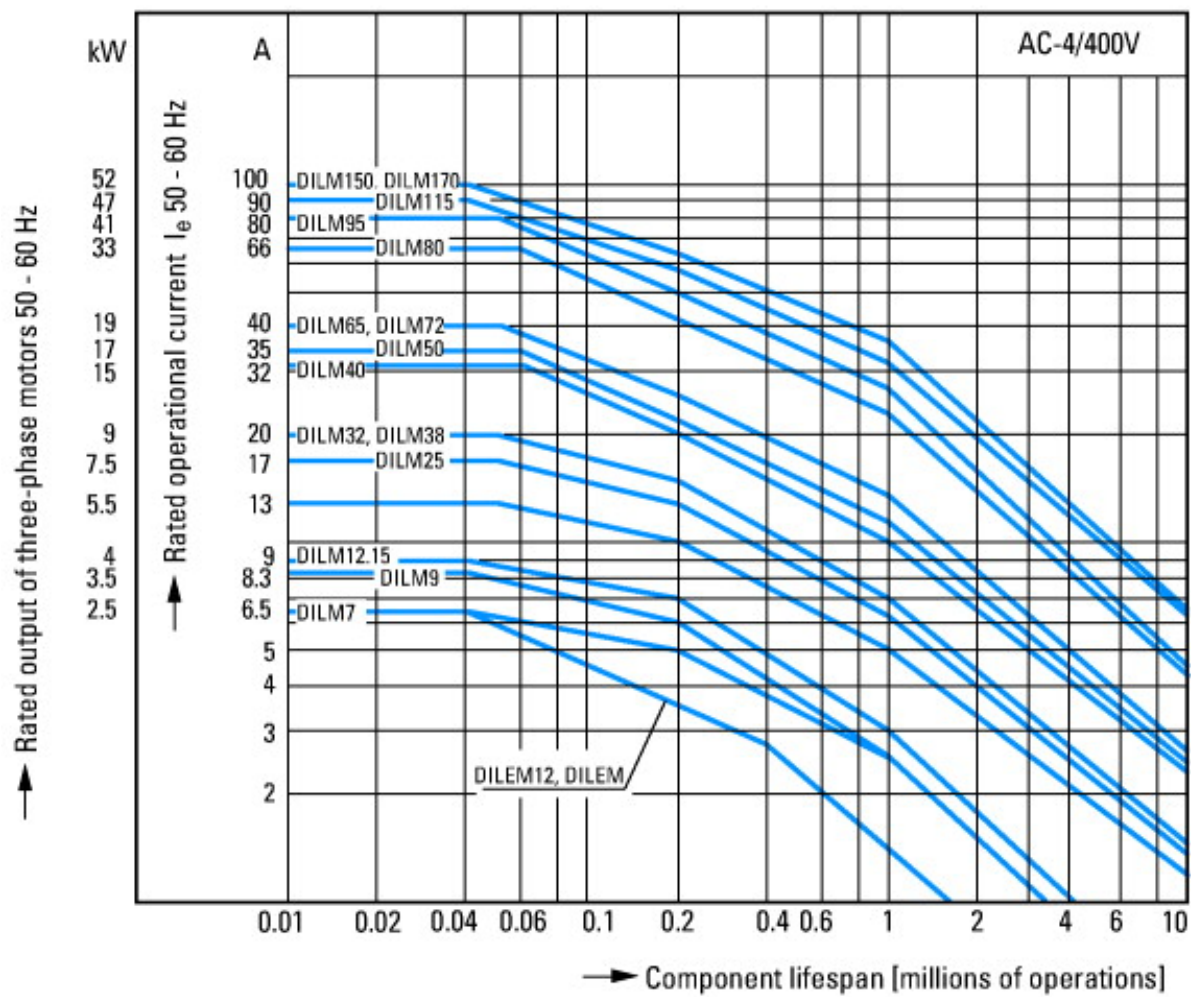
### Characteristics



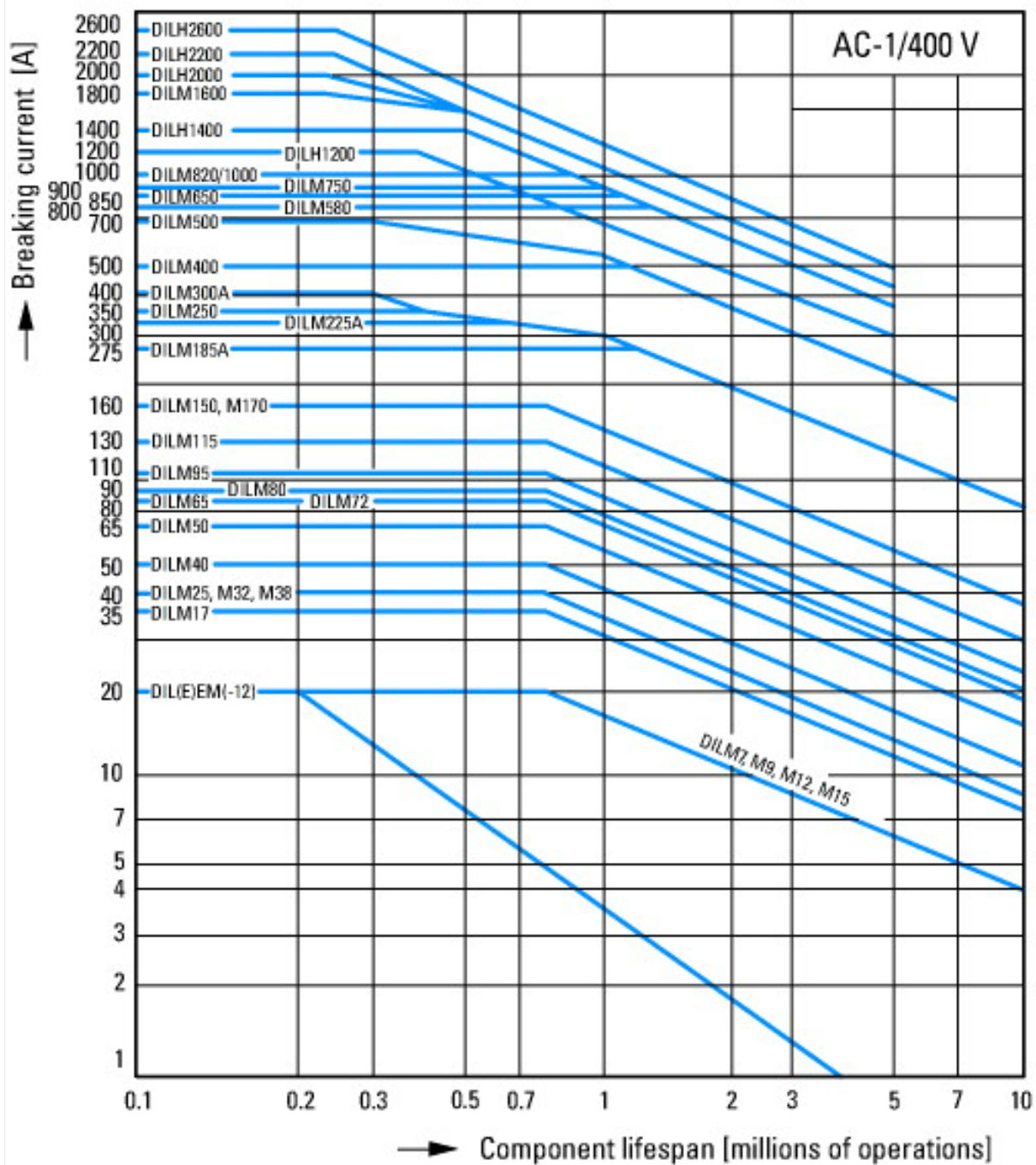
1: Overload relay



Normal AC induction motor  
Operating characteristics  
Switch on: from stop  
Switch off: during run  
Electrical characteristics:  
Switch on: up to 6 x Rated motor current  
Switch off: up to 1 x Rated motor current  
Utility category

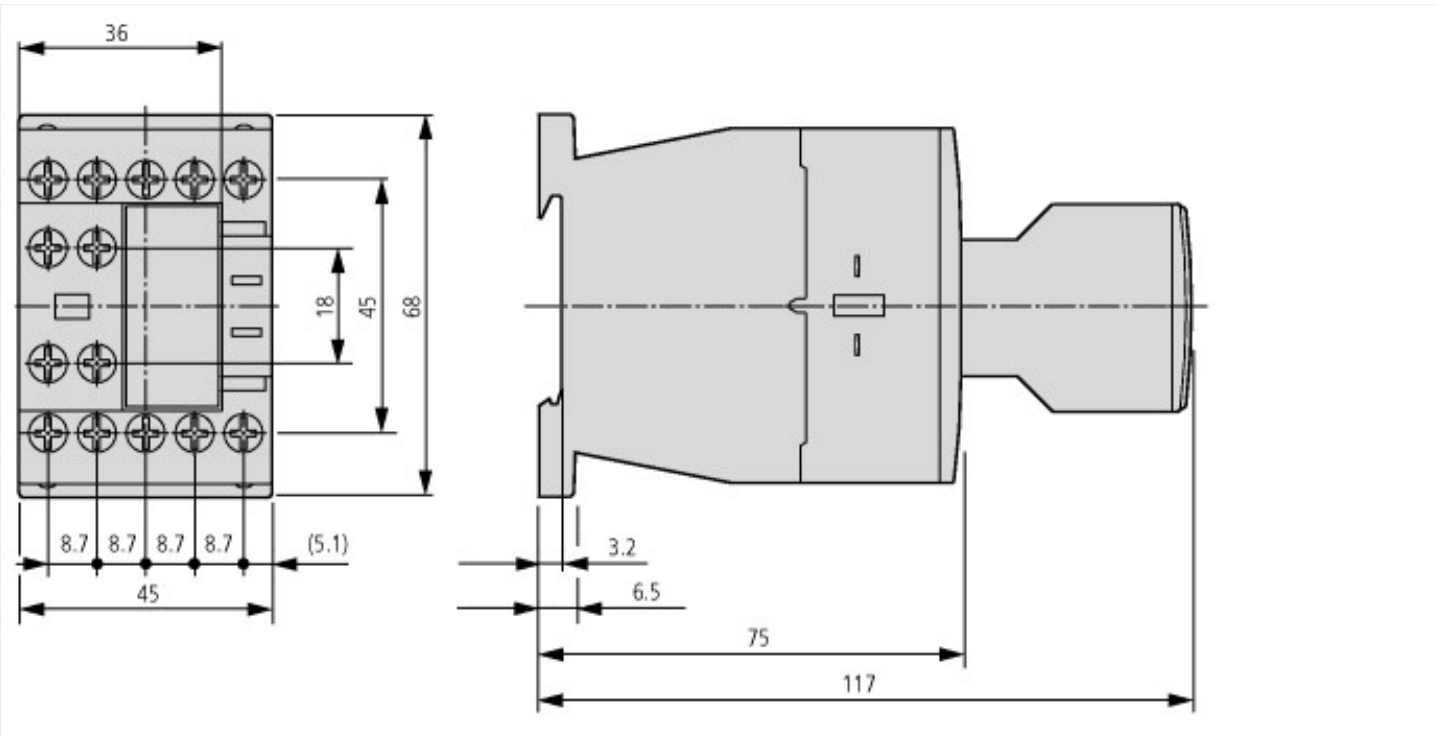


Extreme switching duty  
 Normal AC induction motor  
 Operating characteristics  
 Inching, plugging, reversing  
 Electrical characteristics:  
 Switch on: up to 6 x Rated motor current  
 Switch off: up to 6 x Rated motor current  
 Utilization

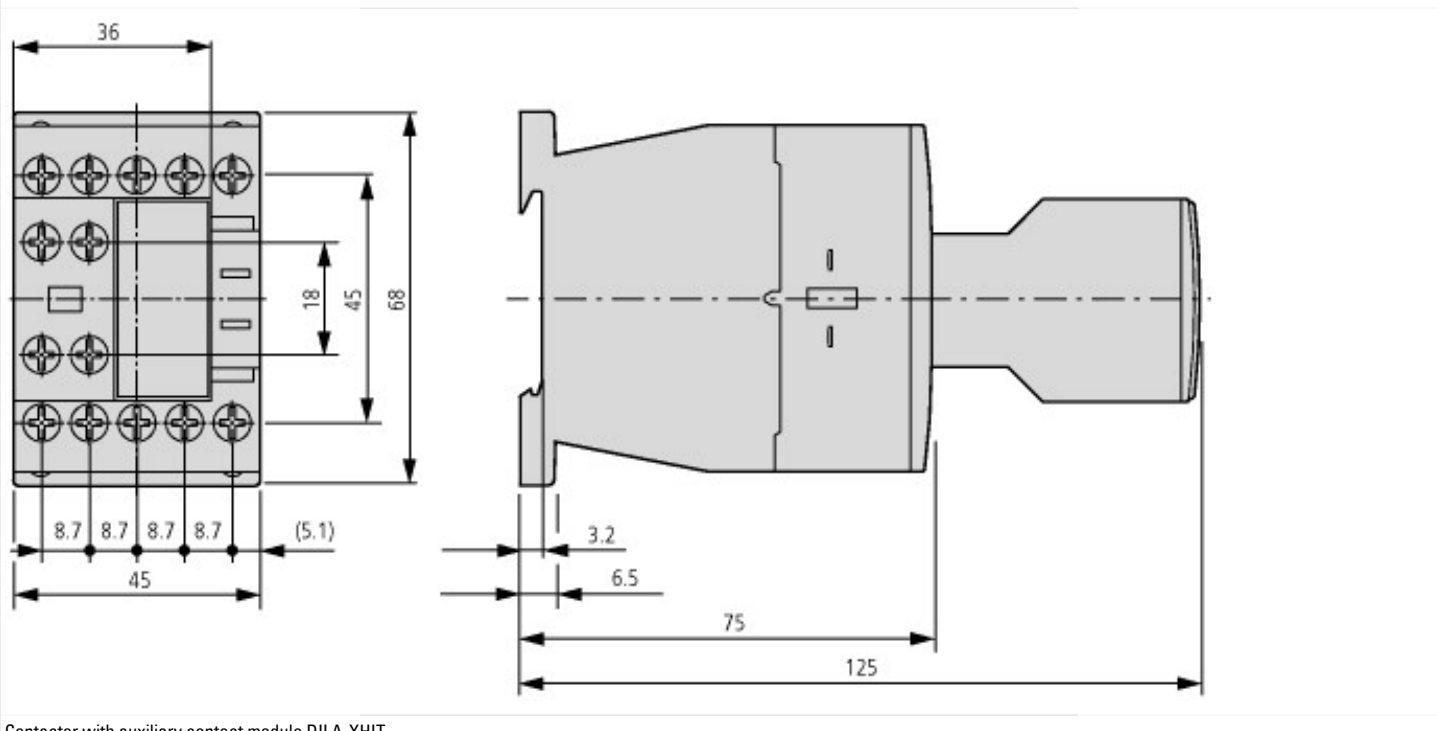


Switching conditions for non-motor consumers, 3 pole, 4 pole  
 Operating characteristics  
 Non inductive and slightly inductive loads  
 Electrical characteristics  
 Switch on: 1 x rated operational current  
 Switch off: 1 x rated operational current  
 Utilization category  
 100 % AC-1  
 Typical examples of application  
 Electric heat

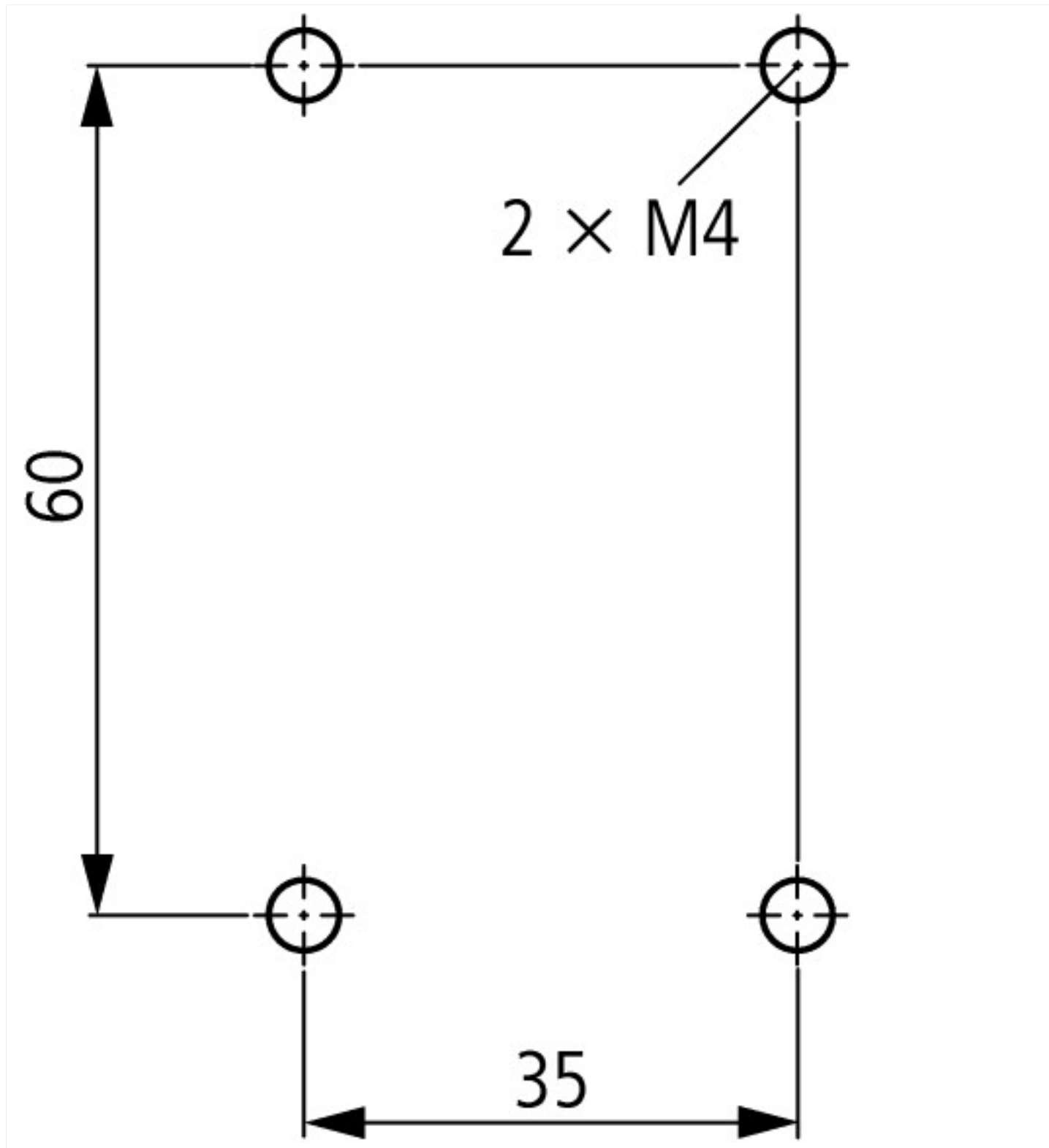
Dimensions



Contactor with auxiliary contact module DILM32-XHI.../DILA-XHI...



Contactor with auxiliary contact module DILA-XHIT...



### Additional product information (links)

#### IL03407013Z (AWA2100-2126) Contactors

|                                                                                              |                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IL03407013Z (AWA2100-2126) Contactors                                                        | <a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407013Z2018_07.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407013Z2018_07.pdf</a>                                           |
| Motor starters and "Special Purpose Ratings" for the North American market                   | <a href="http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf">http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf</a> |
| Switchgear of Power Factor Correction Systems                                                | <a href="http://www.moeller.net/binary/ver_techpapers/ver934en.pdf">http://www.moeller.net/binary/ver_techpapers/ver934en.pdf</a>                                                                               |
| X-Start - Modern Switching Installations Efficiently Fitted and Wired Securely               | <a href="http://www.moeller.net/binary/ver_techpapers/ver938en.pdf">http://www.moeller.net/binary/ver_techpapers/ver938en.pdf</a>                                                                               |
| Mirror Contacts for Highly-Reliable Information Relating to Safety-Related Control Functions | <a href="http://www.moeller.net/binary/ver_techpapers/ver944en.pdf">http://www.moeller.net/binary/ver_techpapers/ver944en.pdf</a>                                                                               |
| Effect of the Cable Capacitance of Long Control Cables on the Actuation of Contactors        | <a href="http://www.moeller.net/binary/ver_techpapers/ver949en.pdf">http://www.moeller.net/binary/ver_techpapers/ver949en.pdf</a>                                                                               |
| Switchgear for Luminaires                                                                    | <a href="http://www.moeller.net/binary/ver_techpapers/ver955en.pdf">http://www.moeller.net/binary/ver_techpapers/ver955en.pdf</a>                                                                               |

|                                                                                                |                                                                                                                                   |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Standard Compliant and Functionally Safe Engineering Design with Mechanical Auxiliary Contacts | <a href="http://www.moeller.net/binary/ver_techpapers/ver956en.pdf">http://www.moeller.net/binary/ver_techpapers/ver956en.pdf</a> |
| The Interaction of Contactors with PLCs                                                        | <a href="http://www.moeller.net/binary/ver_techpapers/ver957en.pdf">http://www.moeller.net/binary/ver_techpapers/ver957en.pdf</a> |
| Busbar Component Adapters for modern Industrial control panels                                 | <a href="http://www.moeller.net/binary/ver_techpapers/ver960en.pdf">http://www.moeller.net/binary/ver_techpapers/ver960en.pdf</a> |