

# DATASHEET - DILMC17-10(RDC24)



**Contactor, 3 pole, 380 V 400 V 7.5 kW, 1 N/O, RDC 24: 24 - 27 V DC, DC operation, Spring-loaded terminals**



**Part no.** DILMC17-10(RDC24)  
**Catalog No.** 277595  
**Alternate Catalog No.** XTCEC018C10TD  
**EL-Nummer (Norway)** 4110317

## 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                |  |  | Also suitable for motors with efficiency class IE3.<br>IE3-ready devices are identified by the logo on their packaging.                                                                                                    |
| Connection technique |  |  | Spring-loaded terminals                                                                                                                                                                                                    |
| Description          |  |  | Spring-cage terminals on auxiliary and control circuit terminals                                                                                                                                                           |
| Number of poles      |  |  | 3 pole                                                                                                                                                                                                                     |

## Rated operational current

|                                                           |                |   |                                                    |
|-----------------------------------------------------------|----------------|---|----------------------------------------------------|
| AC-3                                                      |                |   |                                                    |
| Notes                                                     |                |   | At maximum permissible ambient temperature (open.) |
| 380 V 400 V                                               | $I_e$          | A | 18                                                 |
| AC-1                                                      |                |   |                                                    |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz |                |   |                                                    |
| Open                                                      |                |   |                                                    |
| at 40 °C                                                  | $I_{th} = I_e$ | A | 40                                                 |
| enclosed                                                  | $I_{th}$       | A | 32                                                 |
| Conventional free air thermal current, 1 pole             |                |   |                                                    |
| open                                                      | $I_{th}$       | A | 88                                                 |
| enclosed                                                  | $I_{th}$       | A | 80                                                 |

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

|             |   |    |     |
|-------------|---|----|-----|
| AC-3        |   |    |     |
| 220 V 230 V | P | kW | 5   |
| 380 V 400 V | P | kW | 7.5 |
| 660 V 690 V | P | kW | 11  |
| AC-4        |   |    |     |
| 220 V 230 V | P | kW | 2.5 |
| 380 V 400 V | P | kW | 4.5 |
| 660 V 690 V | P | kW | 6.5 |

## Contacts

|                     |  |  |       |
|---------------------|--|--|-------|
| N/O = Normally open |  |  | 1 N/O |
| Contact sequence    |  |  |       |

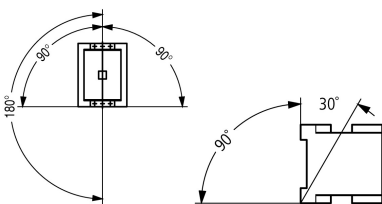
## Instructions

|                                        |  |  |                                                                                                                                                                                                                                   |
|----------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        |  |  | Contacts to EN 50 012.<br>Auxiliary current, coil, and main current terminals with spring-cage connection technology.<br>Main current connections with screw terminals.<br>integrated suppressor circuit in actuating electronics |
| Can be combined with auxiliary contact |  |  | DILM32-XHIC..<br>DILA-XHIC(V)..                                                                                                                                                                                                   |

|                            |  |                                                                  |
|----------------------------|--|------------------------------------------------------------------|
| Actuating voltage          |  | RDC 24: 24 - 27 V DC                                             |
| Voltage AC/DC              |  | DC operation                                                     |
| Connection to SmartWire-DT |  | yes<br>in conjunction with DIL-SWD SmartWire DT contactor module |

## Technical data

### General

|                                                                       |                 |                                                                                    |
|-----------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------|
| Standards                                                             |                 | IEC/EN 60947, VDE 0660, UL, CSA                                                    |
| Lifespan, mechanical                                                  |                 |                                                                                    |
| DC operated                                                           | Operations      | $\times 10^6$ 10                                                                   |
| Operating frequency, mechanical                                       |                 |                                                                                    |
| DC 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               | 6.9                                                                                |
| Auxiliary contacts                                                    |                 |                                                                                    |
| N/O contact                                                           | g               | 5.3                                                                                |
| N/C contact                                                           | g               | 3.5                                                                                |
| Degree of Protection                                                  |                 | IP00                                                                               |
| Protection against direct contact when actuated from front (EN 50274) |                 | Finger and back-of-hand proof                                                      |
| Altitude                                                              | m               | Max. 2000                                                                          |
| Weight                                                                |                 |                                                                                    |
| DC operated                                                           | kg              | 0.543                                                                              |
| Screw connector terminals                                             |                 |                                                                                    |
| Terminal capacity main cable                                          |                 |                                                                                    |
| Solid                                                                 | mm <sup>2</sup> | 1 x (0.75 - 16)<br>2 x (0.75 - 10)                                                 |
| Flexible with ferrule                                                 | mm <sup>2</sup> | 1 x (0.75 - 16)<br>2 x (0.75 - 10)                                                 |
| Stranded                                                              | mm <sup>2</sup> | 1 x 16                                                                             |
| Solid or stranded                                                     | AWG             | single 18 - 6, double 18 - 8                                                       |
| Stripping length                                                      | mm              | 10                                                                                 |
| Terminal screw                                                        |                 | M5                                                                                 |
| Tightening torque                                                     | Nm              | 3.2                                                                                |
| Tool                                                                  |                 |                                                                                    |
| Pozidriv screwdriver                                                  | Size            | 2                                                                                  |
| Standard screwdriver                                                  | mm              | 0.8 x 5.5                                                                          |

|                                          |  |                 |                                      |
|------------------------------------------|--|-----------------|--------------------------------------|
|                                          |  |                 | 1 x 6                                |
| Spring-loaded terminal connection        |  |                 |                                      |
| Terminal capacity control circuit cables |  |                 |                                      |
| Solid                                    |  | mm <sup>2</sup> | 1 x (0.75 - 2.5)<br>2 x (0.75 - 2.5) |
| Flexible                                 |  | mm <sup>2</sup> | 1 x (0.75 - 2.5)<br>2 x (0.75 - 2.5) |
| Flexible with ferrule                    |  | mm <sup>2</sup> | 1 x (0.75 - 1.5)<br>2 x (0.75 - 1.5) |
| Solid or stranded                        |  | AWG             | 18 - 14                              |
| Stripping length                         |  | mm              | 10                                   |
| Tool                                     |  |                 |                                      |
| Screwdriver blade width                  |  | mm              | 3.5                                  |

### Main conducting paths

|                                        |                  |      |       |
|----------------------------------------|------------------|------|-------|
| Rated impulse withstand voltage        | U <sub>imp</sub> | V AC | 8000  |
| Overvoltage category/pollution degree  |                  |      | III/3 |
| Rated insulation voltage               | U <sub>i</sub>   | V AC | 690   |
| Rated operational voltage              | U <sub>e</sub>   | V AC | 690   |
| Safe isolation to EN 61140             |                  |      |       |
| between coil and contacts              |                  | V AC | 440   |
| between the contacts                   |                  | V AC | 440   |
| Making capacity (p.f. to IEC/EN 60947) |                  |      |       |
|                                        | Up to 690 V      | A    | 238   |
| Breaking capacity                      |                  |      |       |
| 220 V 230 V                            |                  | A    | 170   |
| 380 V 400 V                            |                  | A    | 170   |
| 500 V                                  |                  | A    | 170   |
| 660 V 690 V                            |                  | A    | 120   |
| Short-circuit rating                   |                  |      |       |
| Short-circuit protection maximum fuse  |                  |      |       |
| Type "2" coordination                  |                  |      |       |
| 400 V                                  | gG/gL 500 V      | A    | 35    |
| 690 V                                  | gG/gL 690 V      | A    | 35    |
| Type "1" coordination                  |                  |      |       |
| 400 V                                  | gG/gL 500 V      | A    | 63    |
| 690 V                                  | gG/gL 690 V      | A    | 50    |

### AC

|                                                           |                                  |   |                                                    |
|-----------------------------------------------------------|----------------------------------|---|----------------------------------------------------|
| AC-1                                                      |                                  |   |                                                    |
| Rated operational current                                 |                                  |   |                                                    |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz |                                  |   |                                                    |
| Open                                                      |                                  |   |                                                    |
| at 40 °C                                                  | I <sub>th</sub> = I <sub>e</sub> | A | 40                                                 |
| at 50 °C                                                  | I <sub>th</sub> = I <sub>e</sub> | A | 38                                                 |
| at 55 °C                                                  | I <sub>th</sub> = I <sub>e</sub> | A | 37                                                 |
| at 60 °C                                                  | I <sub>th</sub> = I <sub>e</sub> | A | 35                                                 |
| enclosed                                                  | I <sub>th</sub>                  | A | 32                                                 |
| Conventional free air thermal current, 1 pole             |                                  |   |                                                    |
| open                                                      | I <sub>th</sub>                  | A | 88                                                 |
| enclosed                                                  | I <sub>th</sub>                  | A | 80                                                 |
| AC-3                                                      |                                  |   |                                                    |
| Rated operational current                                 |                                  |   |                                                    |
| Open, 3-pole: 50 – 60 Hz                                  |                                  |   |                                                    |
| Notes                                                     |                                  |   | At maximum permissible ambient temperature (open.) |
| 220 V 230 V                                               | I <sub>e</sub>                   | A | 18                                                 |
| 240 V                                                     | I <sub>e</sub>                   | A | 18                                                 |
| 380 V 400 V                                               | I <sub>e</sub>                   | A | 18                                                 |

|                          |                |     |      |
|--------------------------|----------------|-----|------|
| 415 V                    | I <sub>e</sub> | A   | 18   |
| 440V                     | I <sub>e</sub> | A   | 18   |
| 500 V                    | I <sub>e</sub> | A   | 18   |
| 660 V 690 V              | I <sub>e</sub> | A   | 12   |
| 380 V 400 V              | I <sub>e</sub> | A   | 18   |
| Motor rating             | P              | kWh |      |
| 220 V 230 V              | P              | kW  | 5    |
| 240V                     | P              | kW  | 5.5  |
| 380 V 400 V              | P              | kW  | 7.5  |
| 415 V                    | P              | kW  | 10   |
| 440 V                    | P              | kW  | 10.5 |
| 500 V                    | P              | kW  | 12   |
| 660 V 690 V              | P              | kW  | 11   |
| AC-4                     |                |     |      |
| Open, 3-pole: 50 – 60 Hz |                |     |      |
| 220 V 230 V              | I <sub>e</sub> | A   | 10   |
| 240 V                    | I <sub>e</sub> | A   | 10   |
| 380 V 400 V              | I <sub>e</sub> | A   | 10   |
| 415 V                    | I <sub>e</sub> | A   | 10   |
| 440 V                    | I <sub>e</sub> | A   | 10   |
| 500 V                    | I <sub>e</sub> | A   | 10   |
| 660 V 690 V              | I <sub>e</sub> | A   | 8    |
| Motor rating             | P              | kWh |      |
| 220 V 230 V              | P              | kW  | 2.5  |
| 240 V                    | P              | kW  | 3    |
| 380 V 400 V              | P              | kW  | 4.5  |
| 415 V                    | P              | kW  | 5    |
| 440 V                    | P              | kW  | 5.5  |
| 500 V                    | P              | kW  | 6    |
| 660 V 690 V              | P              | kW  | 6.5  |

## DC

|                                 |                |   |    |
|---------------------------------|----------------|---|----|
| Rated operational current, open |                |   |    |
| DC-1                            |                |   |    |
| 60 V                            | I <sub>e</sub> | A | 35 |
| 110 V                           | I <sub>e</sub> | A | 35 |
| 220 V                           | I <sub>e</sub> | A | 35 |

## Current heat loss

|                                                   |    |     |
|---------------------------------------------------|----|-----|
| 3 pole, at I <sub>th</sub> (60°)                  | W  | 7.9 |
| Current heat loss at I <sub>e</sub> to AC-3/400 V | W  | 2.1 |
| Impedance per pole                                | mΩ | 2.7 |

## Magnet systems

|                                                                        |          |                  |                                                                                                                                                                                     |
|------------------------------------------------------------------------|----------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage tolerance                                                      |          |                  |                                                                                                                                                                                     |
| DC operated                                                            | Pick-up  | x U <sub>c</sub> | 0.7 - 1.2                                                                                                                                                                           |
| Notes                                                                  |          |                  | RDC 24 (U <sub>min</sub> 24 V DC/U <sub>max</sub> 27 V DC)<br>Example: U <sub>S</sub> = 0.7 x U <sub>min</sub> - 1.2 x U <sub>max</sub> / U <sub>S</sub> = 0.7 x 24V - 1.2 x 27V DC |
| DC operated                                                            | Drop-out | x U <sub>c</sub> | 0.15 - 0.6                                                                                                                                                                          |
| Notes                                                                  |          |                  | at least smoothed two-phase bridge rectifier or three-phase rectifier                                                                                                               |
| Power consumption of the coil in a cold state and 1.0 x U <sub>S</sub> |          |                  |                                                                                                                                                                                     |
| DC operated                                                            | Pick-up  | W                | 12                                                                                                                                                                                  |
| DC operated                                                            | Sealing  | W                | 0.9                                                                                                                                                                                 |
| Duty factor                                                            |          | % DF             | 100                                                                                                                                                                                 |
| Changeover time at 100 % U <sub>S</sub> (recommended value)            |          |                  |                                                                                                                                                                                     |
| Main contacts                                                          |          |                  |                                                                                                                                                                                     |
| DC operated                                                            |          | ms               |                                                                                                                                                                                     |
| Closing delay                                                          |          | ms               | 47                                                                                                                                                                                  |

|                                            |      |                         |
|--------------------------------------------|------|-------------------------|
| Opening delay                              | ms   | 30                      |
| Arcing time                                | ms   | 10                      |
| <b>Electromagnetic compatibility (EMC)</b> |      |                         |
| Emitted interference                       |      | according to EN 60947-1 |
| Interference immunity                      |      | according to EN 60947-1 |
| <b>Rating data for approved types</b>      |      |                         |
| Switching capacity                         |      |                         |
| Maximum motor rating                       |      |                         |
| Three-phase                                |      |                         |
| 200 V<br>208 V                             | HP   | 5                       |
| 230 V<br>240 V                             | HP   | 5                       |
| 460 V<br>480 V                             | HP   | 10                      |
| 575 V<br>600 V                             | HP   | 15                      |
| Single-phase                               |      |                         |
| 115 V<br>120 V                             | HP   | 2                       |
| 230 V<br>240 V                             | HP   | 3                       |
| General use                                | A    | 40                      |
| 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    | 125                     |
| max. CB                                    | A    | 125                     |
| 480 V High Fault                           |      |                         |
| SCCR (fuse)                                | kA   | 10/100                  |
| max. Fuse                                  | A    | 125/70 Class J          |
| SCCR (CB)                                  | kA   | 10/65                   |
| max. CB                                    | A    | 50/32                   |
| 600 V High Fault                           |      |                         |
| SCCR (fuse)                                | kA   | 10/100                  |
| max. Fuse                                  | A    | 125/70 Class J          |
| SCCR (CB)                                  | kA   | 10/22                   |
| max. CB                                    | A    | 50/32                   |
| Special Purpose Ratings                    |      |                         |
| Electrical Discharge Lamps (Ballast)       |      |                         |
| 480V 60Hz 3phase, 277V 60Hz 1phase         | A    | 40                      |
| 600V 60Hz 3phase, 347V 60Hz 1phase         | A    | 40                      |
| Incandescent Lamps (Tungsten)              |      |                         |
| 480V 60Hz 3phase, 277V 60Hz 1phase         | A    | 40                      |
| 600V 60Hz 3phase, 347V 60Hz 1phase         | A    | 40                      |
| Resistance Air Heating                     |      |                         |
| 480V 60Hz 3phase, 277V 60Hz 1phase         | A    | 40                      |
| 600V 60Hz 3phase, 347V 60Hz 1phase         | A    | 40                      |
| Refrigeration Control (CSA only)           |      |                         |

|                                                           |    |     |
|-----------------------------------------------------------|----|-----|
| LRA 480V 60Hz 3phase                                      | A  | 240 |
| FLA 480V 60Hz 3phase                                      | A  | 40  |
| LRA 600V 60Hz 3phase                                      | A  | 180 |
| FLA 600V 60Hz 3phase                                      | A  | 30  |
| Definite Purpose Ratings (100,000 cycles acc. to UL 1995) |    |     |
| LRA 480V 60Hz 3phase                                      | A  | 108 |
| FLA 480V 60Hz 3phase                                      | A  | 18  |
| Elevator Control                                          |    |     |
| 200V 60Hz 3phase                                          | HP | 3   |
| 200V 60Hz 3phase                                          | A  | 11  |
| 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 | 10  |
| 600V 60Hz 3phase                                          | A  | 11  |

## Design verification as per IEC/EN 61439

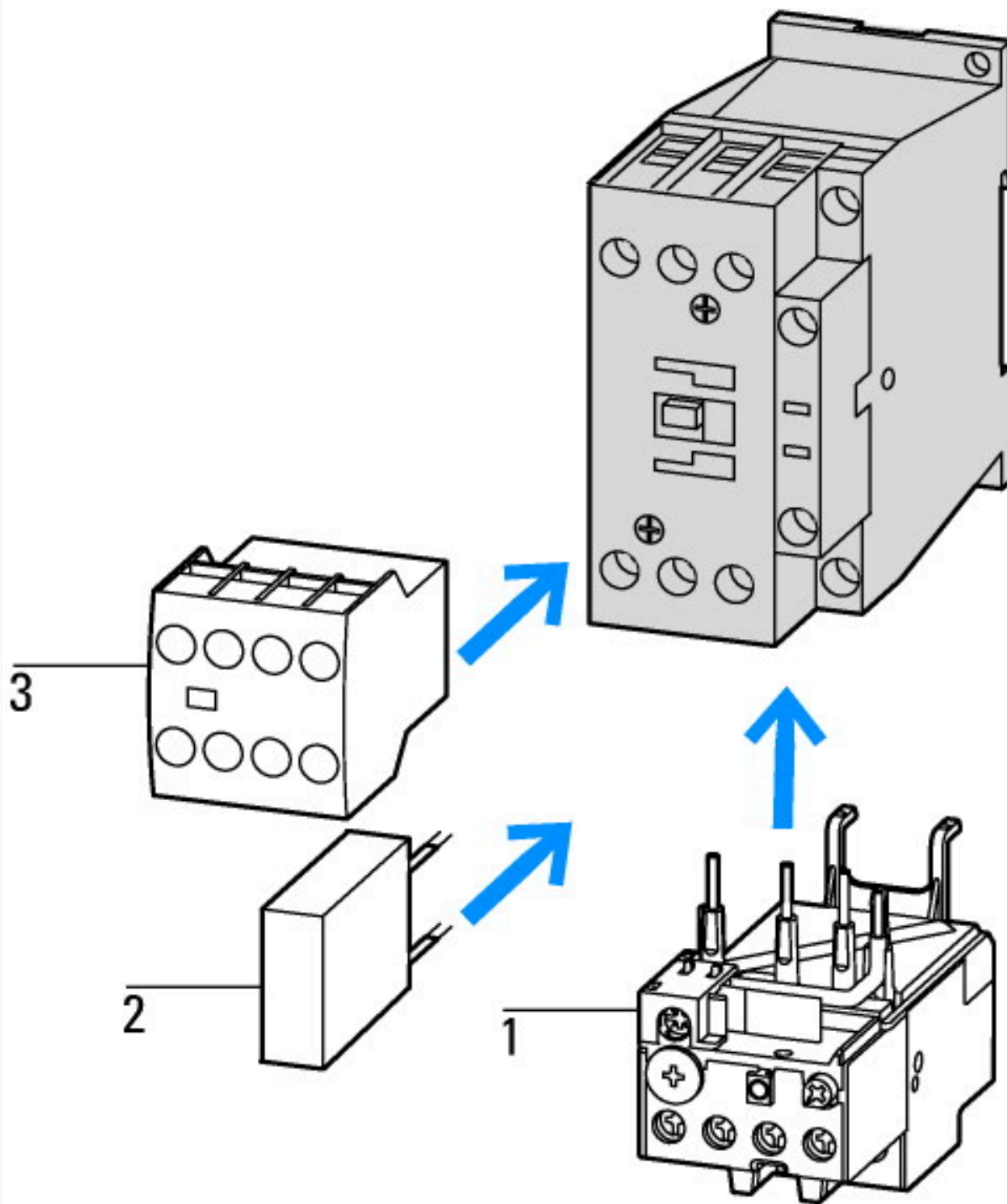
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|------------------------------------------------------------------------------------------------------------------------|-------------------|----|----------------------------------------------------------------------------------------------------------------------------------|
| Technical data for design verification                                                                                 |                   |    |                                                                                                                                  |
| Rated operational current for specified heat dissipation                                                               | I <sub>n</sub>    | A  | 18                                                                                                                               |
| Heat dissipation per pole, current-dependent                                                                           | P <sub>vid</sub>  | W  | 0.7                                                                                                                              |
| Equipment heat dissipation, current-dependent                                                                          | P <sub>vid</sub>  | W  | 2.1                                                                                                                              |
| Static heat dissipation, non-current-dependent                                                                         | P <sub>vs</sub>   | W  | 0.9                                                                                                                              |
| 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 (ecI@ss10.0.1-27-37-10-03 [AAB718015]) |    |                  |
| Rated control supply voltage Us at AC 50HZ                                                                                                                                            | V  | 0 - 0            |
| Rated control supply voltage Us at AC 60HZ                                                                                                                                            | V  | 0 - 0            |
| Rated control supply voltage Us at DC                                                                                                                                                 | V  | 24 - 27          |
| Voltage type for actuating                                                                                                                                                            |    | DC               |
| Rated operation current Ie at AC-1, 400 V                                                                                                                                             | A  | 40               |
| Rated operation current Ie at AC-3, 400 V                                                                                                                                             | A  | 18               |
| Rated operation power at AC-3, 400 V                                                                                                                                                  | kW | 7.5              |
| Rated operation current Ie at AC-4, 400 V                                                                                                                                             | A  | 10               |
| Rated operation power at AC-4, 400 V                                                                                                                                                  | kW | 4.5              |
| Rated operation power NEMA                                                                                                                                                            | kW | 7.4              |
| Modular version                                                                                                                                                                       |    | No               |
| Number of auxiliary contacts as normally open contact                                                                                                                                 |    | 1                |
| Number of auxiliary contacts as normally closed contact                                                                                                                               |    | 0                |
| Type of electrical connection of main circuit                                                                                                                                         |    | Screw connection |
| Number of normally closed contacts as main contact                                                                                                                                    |    | 0                |
| Number of main contacts as normally open contact                                                                                                                                      |    | 3                |

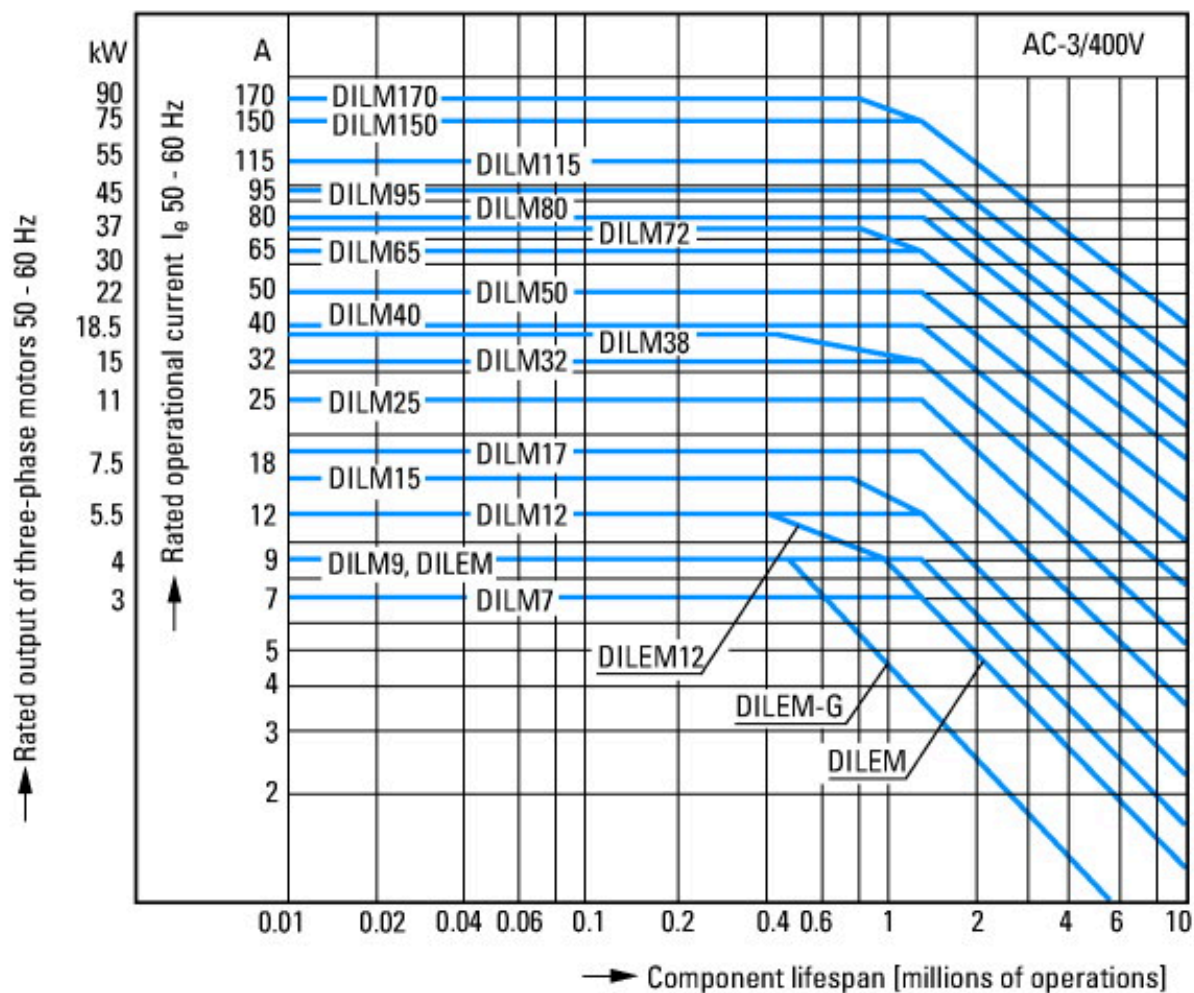
## Approvals

|                                      |  |                                                                          |
|--------------------------------------|--|--------------------------------------------------------------------------|
| 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                                                                       |

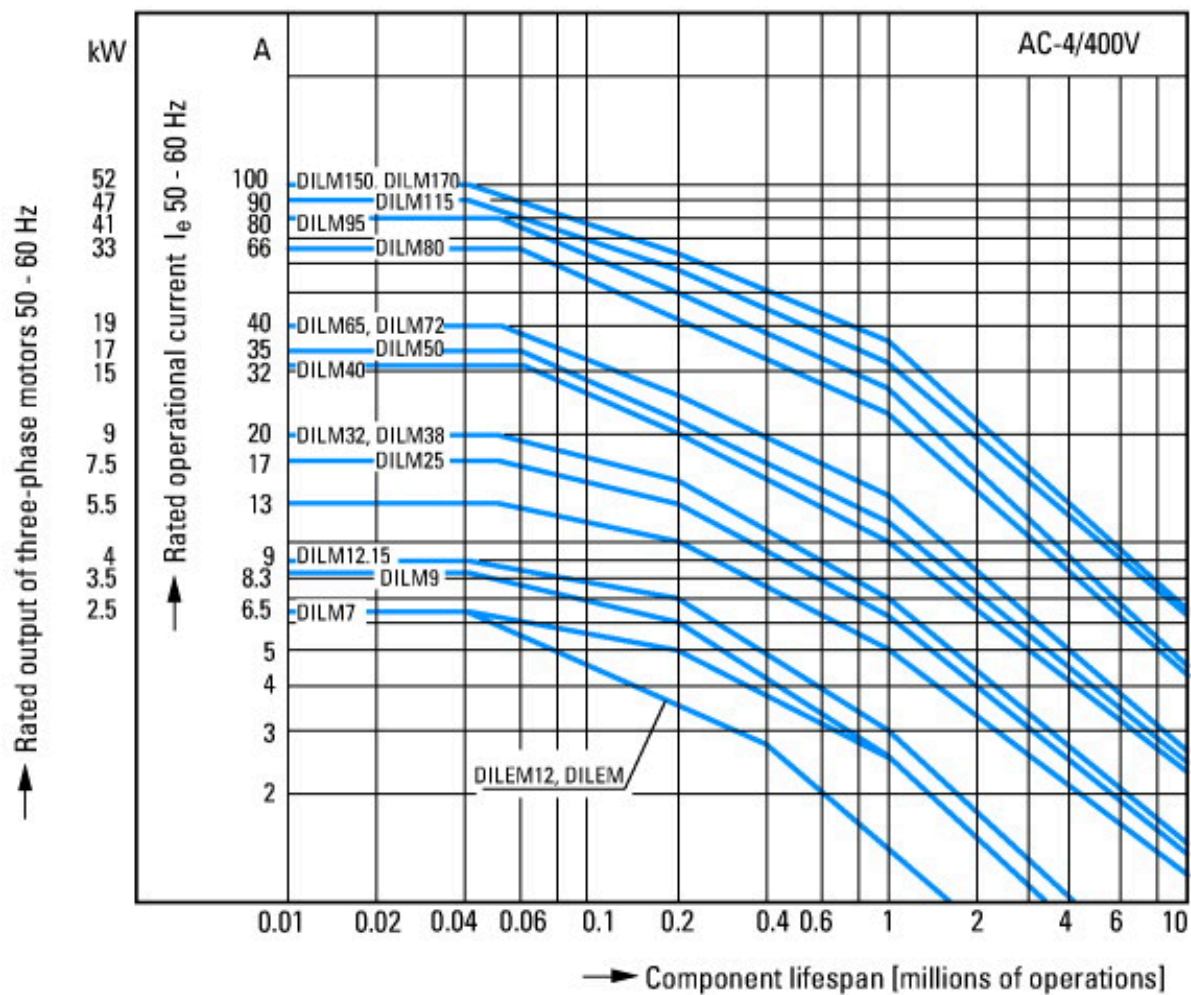


- 1: Overload relay
- 2: Suppressor
- 3: Auxiliary contact modules

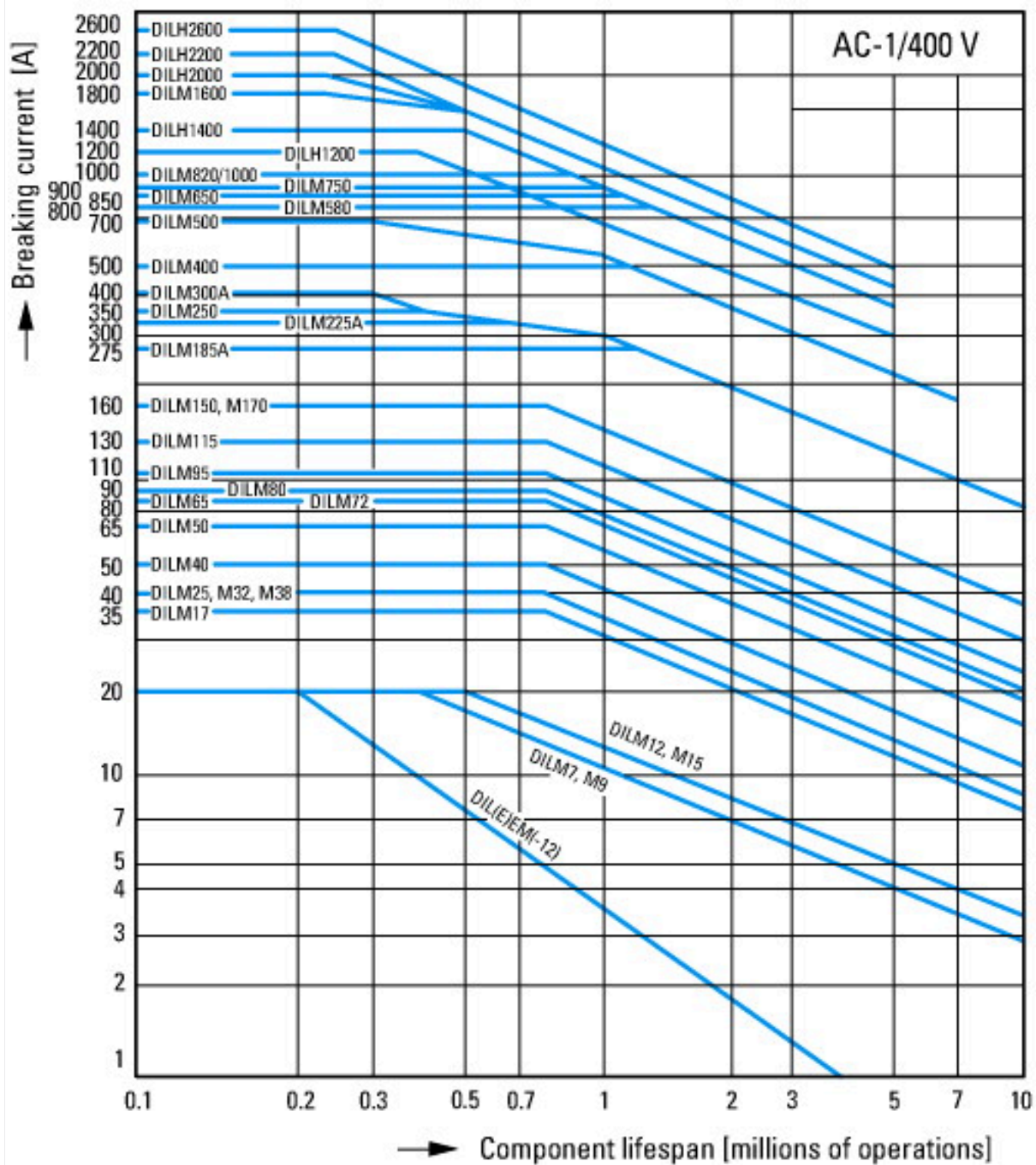




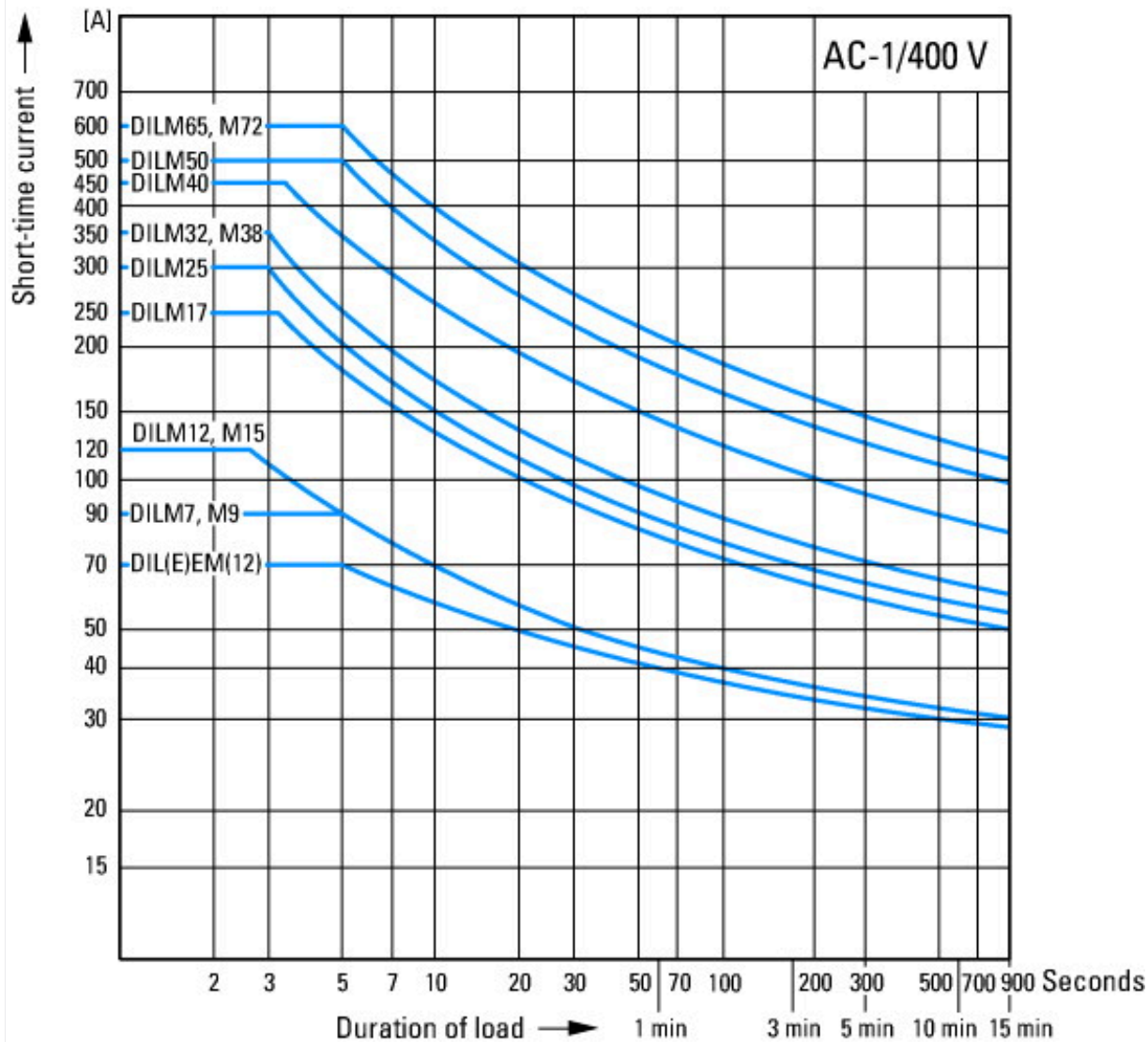
Squirrel-cage motor  
 Operating characteristics  
 Starting: from rest  
 Stopping: after attaining full running speed  
 Electrical characteristics  
 Make: up to 6 x rated motor current  
 Break: up to 1 x rated motor current  
 Utilization category  
 100 % AC-3  
 Typical applications  
 Compressors  
 Lifts  
 Mixers  
 Pumps  
 Escalators  
 Agitators  
 Fans  
 Conveyor belts  
 Centrifuges  
 Hinged flaps  
 Bucket-elevators  
 Air conditioning system  
 General drives in manufacturing and processing machines



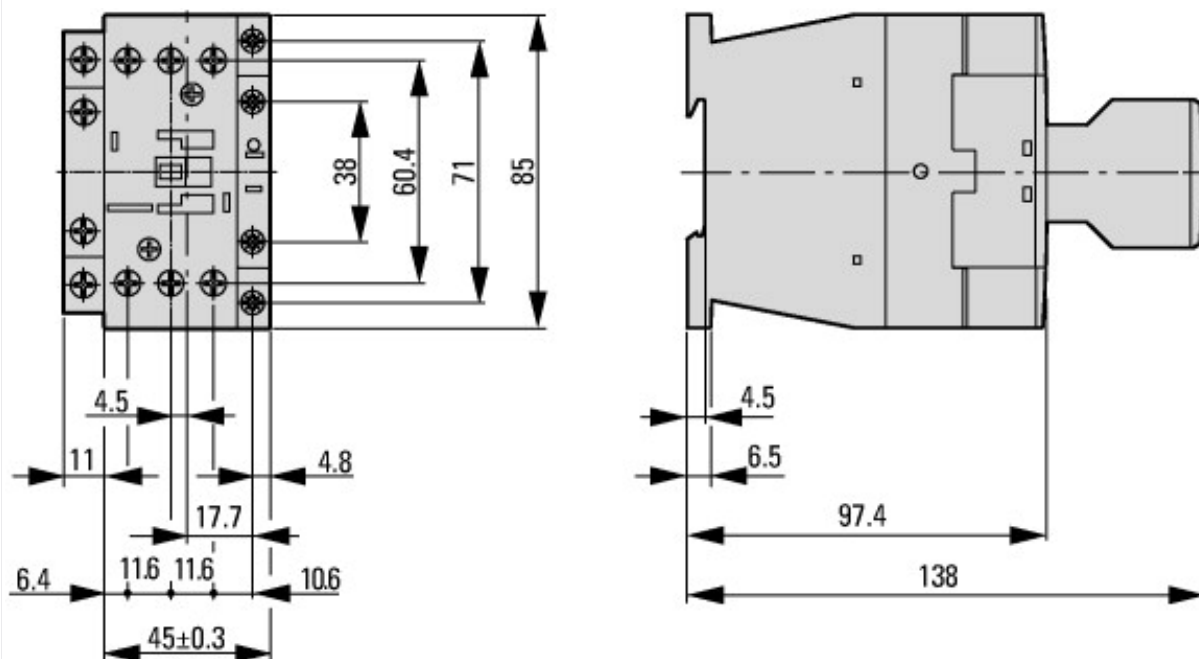
Extreme switching duty  
Squirrel-cage motor  
Operating characteristics  
Inching, plugging, reversing  
Electrical characteristics  
Make: up to 6 x rated motor current  
Break: up to 6 x rated motor current  
Utilization category  
100 % AC-4  
Typical applications  
Printing presses  
Wire-drawing machines  
Centrifuges  
Special drives for manufacturing and processing machines



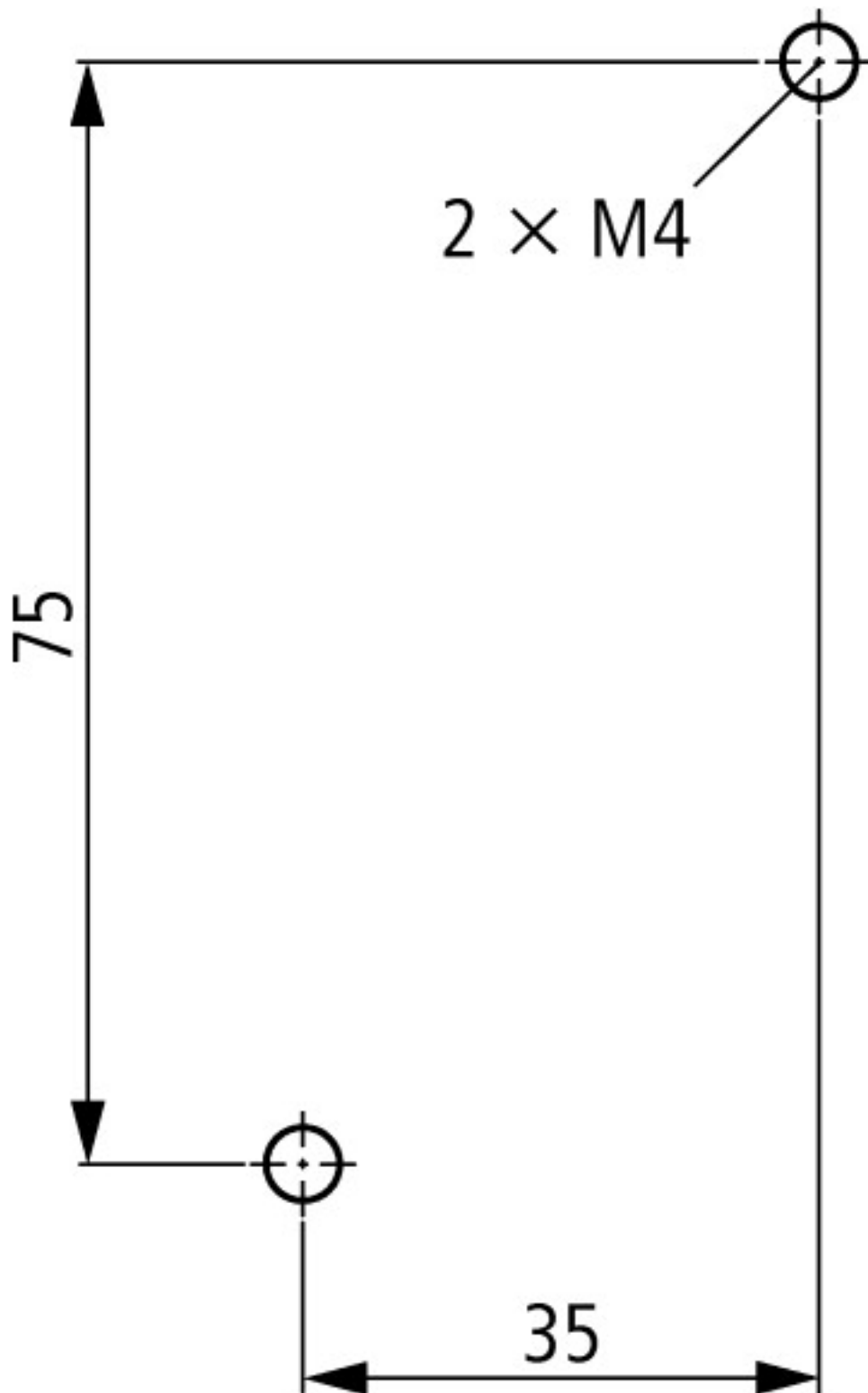
Switching conditions for non-motor consumers, 3 pole, 4 pole  
 Operating characteristics  
 Non inductive and slightly inductive loads  
 Electrical characteristics  
 Switch on: 1 x rated operational current  
 Switch off: 1 x rated operational current  
 Utilization category  
 100 % AC-1  
 Typical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



## Dimensions



Contactor with auxiliary contact module



distance at side to earthed parts: 6 mm

## Assets (links)

[Declaration of CE Conformity](#)

00003050

[Instruction Leaflets](#)

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