



**Contactor, 3p+1N/O, 18.5kW/400V/AC3**

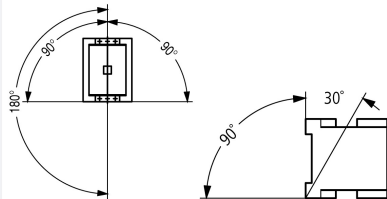
**Part no.** DILM38-10(230V50/60HZ)  
**Article no.** 112436  
**Catalog No.** XTCE038C10G2

## Delivery programme

|                                                           |                                  |    |                                                                                                                                                                                                                            |
|-----------------------------------------------------------|----------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                            |
| Pole                                                      |                                  |    | 3 pole                                                                                                                                                                                                                     |
| <b>Rated operational current</b>                          |                                  |    |                                                                                                                                                                                                                            |
| AC-3                                                      |                                  |    |                                                                                                                                                                                                                            |
| 380 V 400 V                                               | I <sub>e</sub>                   | A  | 38                                                                                                                                                                                                                         |
| AC-1                                                      |                                  |    |                                                                                                                                                                                                                            |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz |                                  |    |                                                                                                                                                                                                                            |
| Open                                                      |                                  |    |                                                                                                                                                                                                                            |
| at 40 °C                                                  | I <sub>th</sub> = I <sub>e</sub> | A  | 45                                                                                                                                                                                                                         |
| enclosed                                                  | I <sub>th</sub>                  | A  | 36                                                                                                                                                                                                                         |
| Conventional free air thermal current, 1 pole             |                                  |    |                                                                                                                                                                                                                            |
| open                                                      | I <sub>th</sub>                  | A  | 100                                                                                                                                                                                                                        |
| enclosed                                                  | I <sub>th</sub>                  | A  | 90                                                                                                                                                                                                                         |
| <b>Max. rating for three-phase motors, 50 - 60 Hz</b>     |                                  |    |                                                                                                                                                                                                                            |
| AC-3                                                      |                                  |    |                                                                                                                                                                                                                            |
| 220 V 230 V                                               | P                                | kW | 11                                                                                                                                                                                                                         |
| 380 V 400 V                                               | P                                | kW | 18.5                                                                                                                                                                                                                       |
| 660 V 690 V                                               | P                                | kW | 21                                                                                                                                                                                                                         |
| AC-4                                                      |                                  |    |                                                                                                                                                                                                                            |
| 220 V 230 V                                               | P                                | kW | 4                                                                                                                                                                                                                          |
| 380 V 400 V                                               | P                                | kW | 7                                                                                                                                                                                                                          |
| 660 V 690 V                                               | P                                | kW | 10                                                                                                                                                                                                                         |
| <b>Contacts</b>                                           |                                  |    |                                                                                                                                                                                                                            |
| N/O = Normally open                                       |                                  |    | 1 N/O                                                                                                                                                                                                                      |
| Contact sequence                                          |                                  |    |                                                                                                                                                                                                                            |
| <b>Instructions</b>                                       |                                  |    |                                                                                                                                                                                                                            |
| Voltage AC/DC                                             |                                  |    | AC operation                                                                                                                                                                                                               |

## Technical data

|                                 |              |                   |                                        |
|---------------------------------|--------------|-------------------|----------------------------------------|
| <b>General</b>                  |              |                   |                                        |
| Standards                       |              |                   | IEC/EN 60947, VDE 0660, UL, CSA        |
| Lifespan, mechanical            |              |                   |                                        |
| AC operated                     | Operations   | x 10 <sup>6</sup> | 10                                     |
| DC operated                     | Operations   | x 10 <sup>6</sup> | 10                                     |
| Operating frequency, mechanical |              |                   |                                        |
| AC operated                     | Operations/h |                   | 5000                                   |
| DC operated                     | Operations/h |                   | 5000                                   |
| Climatic proofing               |              |                   | Damp heat, constant, to IEC 60068-2-78 |

|                                                                       |                 |                                                                                    |           |
|-----------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------|-----------|
|                                                                       |                 | 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                                                      |           |
| Weight                                                                |                 |                                                                                    |           |
| AC operated                                                           | kg              | 0.42                                                                               |           |
| DC operated                                                           | kg              | 0.48                                                                               |           |
| 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             | 18 - 6                                                                             |           |
| Main cable connection screw/bolt                                      |                 | M5                                                                                 |           |
| Tightening torque                                                     |                 | Nm                                                                                 | 3.2       |
| Terminal capacity control circuit cables                              |                 |                                                                                    |           |
| Solid                                                                 | mm <sup>2</sup> | 1 x (0.75 - 4)<br>2 x (0.75 - 4)                                                   |           |
| 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                                                                            |           |
| Control circuit cable connection screw/bolt                           |                 | M3.5                                                                               |           |
| Tightening torque                                                     |                 | Nm                                                                                 | 1.2       |
| Tool                                                                  |                 |                                                                                    |           |
| Main cable                                                            |                 |                                                                                    |           |
| Pozidriv screwdriver                                                  | Size            | 2                                                                                  |           |
| Standard screwdriver                                                  | mm              | 0.8 x 5.5<br>1 x 6                                                                 |           |
| Control circuit cables                                                |                 |                                                                                    |           |
| Pozidriv screwdriver                                                  | Size            | 2                                                                                  |           |
| Standard screwdriver                                                  | mm              | 0.8 x 5.5<br>1 x 6                                                                 |           |
| 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    | 384   |
| Breaking capacity                      |                |      |       |
| 220 V 230 V                            |                | A    | 320   |
| 380 V 400 V                            |                | A    | 320   |
| 500 V                                  |                | A    | 320   |
| 660 V 690 V                            |                | A    | 180   |
| Short-circuit rating                   |                |      |       |
| Short-circuit protection maximum fuse  |                |      |       |
| Type "2" coordination                  |                |      |       |
| 400 V                                  | gG/gL 500 V    | A    | 63    |
| 690 V                                  | gG/gL 690 V    | A    | 35    |
| Type "1" coordination                  |                |      |       |
| 400 V                                  | gG/gL 500 V    | A    | 125   |
| 690 V                                  | gG/gL 690 V    | A    | 63    |

## 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   | 45   |
| at 50 °C                                                  | I <sub>th</sub> = I <sub>e</sub> | A   | 43   |
| at 55 °C                                                  | I <sub>th</sub> = I <sub>e</sub> | A   | 42   |
| at 60 °C                                                  | I <sub>th</sub> = I <sub>e</sub> | A   | 40   |
| enclosed                                                  | I <sub>th</sub>                  | A   | 36   |
| Conventional free air thermal current, 1 pole             |                                  |     |      |
| open                                                      | I <sub>th</sub>                  | A   | 100  |
| enclosed                                                  | I <sub>th</sub>                  | A   | 90   |
| AC-3                                                      |                                  |     |      |
| Rated operational current                                 |                                  |     |      |
| Open, 3-pole: 50 – 60 Hz                                  |                                  |     |      |
| 220 V 230 V                                               | I <sub>e</sub>                   | A   | 38   |
| 240 V                                                     | I <sub>e</sub>                   | A   | 38   |
| 380 V 400 V                                               | I <sub>e</sub>                   | A   | 38   |
| 415 V                                                     | I <sub>e</sub>                   | A   | 38   |
| 440V                                                      | I <sub>e</sub>                   | A   | 38   |
| 500 V                                                     | I <sub>e</sub>                   | A   | 38   |
| 660 V 690 V                                               | I <sub>e</sub>                   | A   | 22.5 |
| 380 V 400 V                                               | I <sub>e</sub>                   | A   | 38   |
| Motor rating                                              | P                                | kWh |      |
| 220 V 230 V                                               | P                                | kW  | 11   |
| 240V                                                      | P                                | kW  | 12   |
| 380 V 400 V                                               | P                                | kW  | 18.5 |
| 415 V                                                     | P                                | kW  | 20   |
| 440 V                                                     | P                                | kW  | 21   |
| 500 V                                                     | P                                | kW  | 24   |
| 660 V 690 V                                               | P                                | kW  | 21   |
| AC-4                                                      |                                  |     |      |

|                          |                |     |     |
|--------------------------|----------------|-----|-----|
| Open, 3-pole: 50 – 60 Hz |                |     |     |
| 220 V 230 V              | I <sub>e</sub> | A   | 15  |
| 240 V                    | I <sub>e</sub> | A   | 15  |
| 380 V 400 V              | I <sub>e</sub> | A   | 15  |
| 415 V                    | I <sub>e</sub> | A   | 15  |
| 440 V                    | I <sub>e</sub> | A   | 15  |
| 500 V                    | I <sub>e</sub> | A   | 15  |
| 660 V 690 V              | I <sub>e</sub> | A   | 12  |
| Motor rating             | P              | kWh |     |
| 220 V 230 V              | P              | kW  | 4   |
| 240 V                    | P              | kW  | 4.5 |
| 380 V 400 V              | P              | kW  | 7   |
| 415 V                    | P              | kW  | 7.5 |
| 440 V                    | P              | kW  | 8   |
| 500 V                    | P              | kW  | 9   |
| 660 V 690 V              | P              | kW  | 10  |

### DC

|                                 |                |   |     |
|---------------------------------|----------------|---|-----|
| Rated operational current, open |                |   |     |
| DC-1                            |                |   |     |
| 60 V                            | I <sub>e</sub> | A | 40  |
| 110 V                           | I <sub>e</sub> | A | 40  |
| 220 V                           | I <sub>e</sub> | A | 40  |
| 440 V                           | I <sub>e</sub> | A | 2.9 |
| DC-3                            |                |   |     |
| 60 V                            | I <sub>e</sub> | A | 40  |
| 110 V                           | I <sub>e</sub> | A | 40  |
| 220 V                           | I <sub>e</sub> | A | 25  |
| 440 V                           | I <sub>e</sub> | A | 0.6 |
| DC-5                            |                |   |     |
| 60 V                            | I <sub>e</sub> | A | 40  |
| 110 V                           | I <sub>e</sub> | A | 40  |
| 220 V                           | I <sub>e</sub> | A | 10  |
| 440 V                           | I <sub>e</sub> | A | 0.6 |

### Current heat loss

|                                                   |  |    |      |
|---------------------------------------------------|--|----|------|
| 3-pole at I <sub>th</sub>                         |  | W  | 11.4 |
| Current heat loss at I <sub>e</sub> to AC-3/400 V |  | W  | 9.3  |
| Impedance per pole                                |  | mΩ | 2.7  |

### Magnet systems

|                                                                        |          |                  |                                                                       |
|------------------------------------------------------------------------|----------|------------------|-----------------------------------------------------------------------|
| Voltage tolerance                                                      |          | x U <sub>c</sub> |                                                                       |
| 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                                                             |
| DC operated                                                            | Pick-up  | x U <sub>c</sub> | 0.7 - 1.2                                                             |
| 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>c</sub> |          |                  |                                                                       |
| 50 Hz                                                                  | Pick-up  | VA               | 52                                                                    |
| 50 Hz                                                                  | Sealing  | VA               | 7.1                                                                   |
| 50 Hz                                                                  | Sealing  | W                | 2.1                                                                   |
| 60 Hz                                                                  | Pick-up  | VA               | 67                                                                    |
| 60 Hz                                                                  | Sealing  | VA               | 8.7                                                                   |
| 60 Hz                                                                  | Sealing  | W                | 2.6                                                                   |
| 50/60 Hz                                                               | Pick-up  | VA               | 62<br>58                                                              |
| 50/60 Hz                                                               | Sealing  | VA               | 9.1<br>6.5                                                            |

|                                                              |         |                   |                                                                                     |
|--------------------------------------------------------------|---------|-------------------|-------------------------------------------------------------------------------------|
| 50/60 Hz                                                     | Sealing | W                 | 2.5<br>2                                                                            |
| DC operated                                                  | Pick-up | W                 | 12                                                                                  |
| DC operated                                                  | Sealing | W                 | 0.5                                                                                 |
| Duty factor                                                  |         | % DF              | 100                                                                                 |
| Switching times at 100 % U <sub>c</sub> (approximate values) |         |                   |                                                                                     |
| Main contacts                                                |         |                   |                                                                                     |
| AC operated                                                  |         |                   |                                                                                     |
| Closing delay                                                |         | ms                | 16 - 22                                                                             |
| Opening delay                                                |         | ms                | 8 - 14                                                                              |
| DC operated                                                  |         |                   |                                                                                     |
| Closing delay                                                |         | ms                | 47                                                                                  |
| Opening delay                                                |         | ms                | 30                                                                                  |
| 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 |

Design verification as per IEC/EN 61439

|                                                                                                                        |                   |    |                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------|-------------------|----|----------------------------------------------------------------------------------------------------------------------------------|
| Technical data for design verification                                                                                 |                   |    |                                                                                                                                  |
| Rated operational current for specified heat dissipation                                                               | I <sub>n</sub>    | A  | 38                                                                                                                               |
| Heat dissipation per pole, current-dependent                                                                           | P <sub>vid</sub>  | W  | 3.1                                                                                                                              |
| Equipment heat dissipation, current-dependent                                                                          | P <sub>vid</sub>  | W  | 9.3                                                                                                                              |
| Static heat dissipation, non-current-dependent                                                                         | P <sub>vs</sub>   | W  | 2.1                                                                                                                              |
| 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 6.0

|                                                                                                                                                                                    |    |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------|
| 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@ss8.1-27-37-10-03 [AAB718012]) |    |                  |
| Rated control supply voltage Us at AC 50HZ                                                                                                                                         | V  | 230 - 230        |
| Rated control supply voltage Us at AC 60HZ                                                                                                                                         | V  | 230 - 230        |
| 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  | 45               |
| Rated operation current Ie at AC-3, 400 V                                                                                                                                          | A  | 38               |
| Rated operation power at AC-3, 400 V                                                                                                                                               | kW | 18.5             |
| Rated operation current Ie at AC-4, 400 V                                                                                                                                          | A  | 15               |
| Rated operation power Ie at AC-4, 400 V                                                                                                                                            | kW | 7                |
| 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

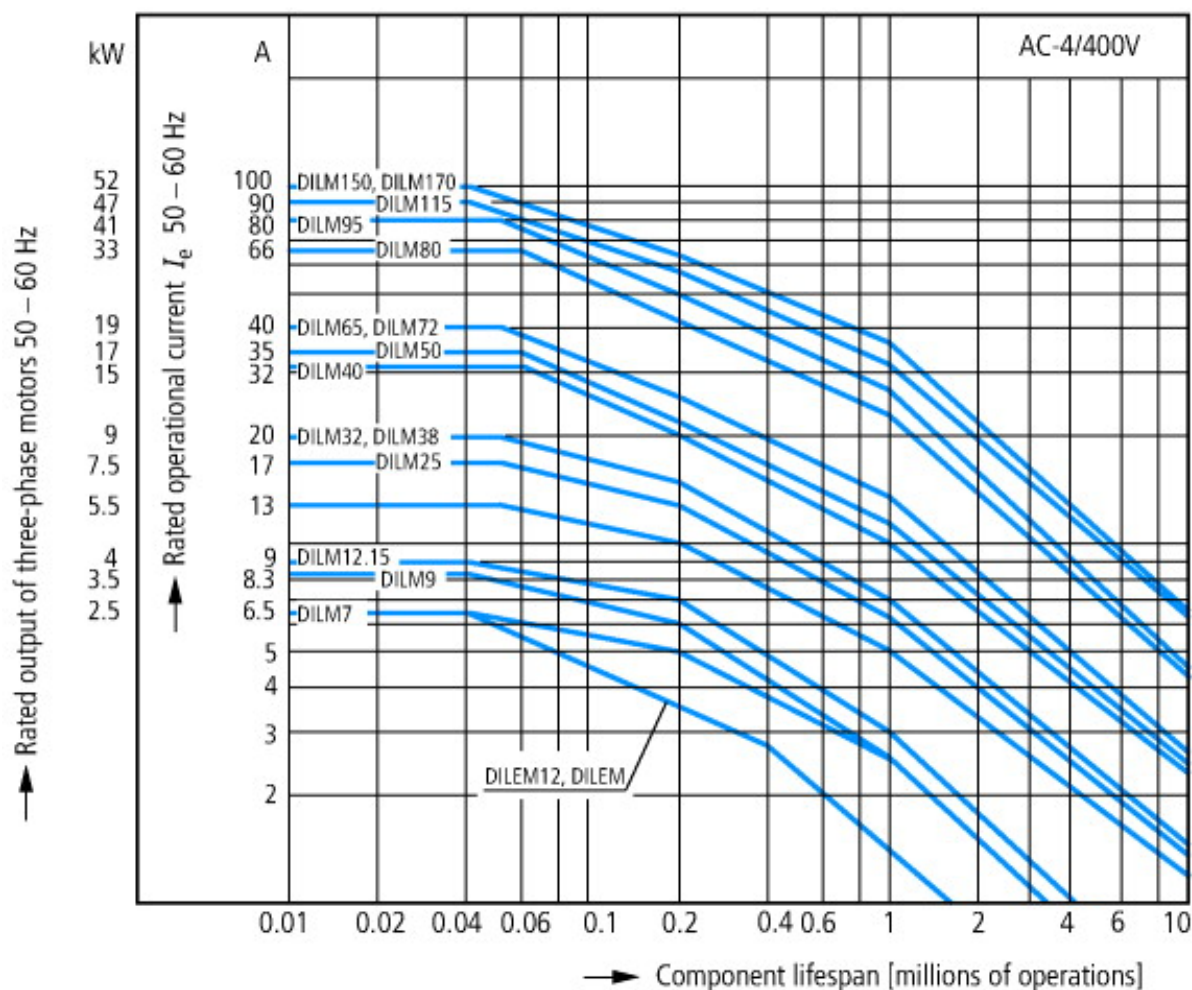
|                                      |  |                                                           |
|--------------------------------------|--|-----------------------------------------------------------|
| Product Standards                    |  | IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE 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

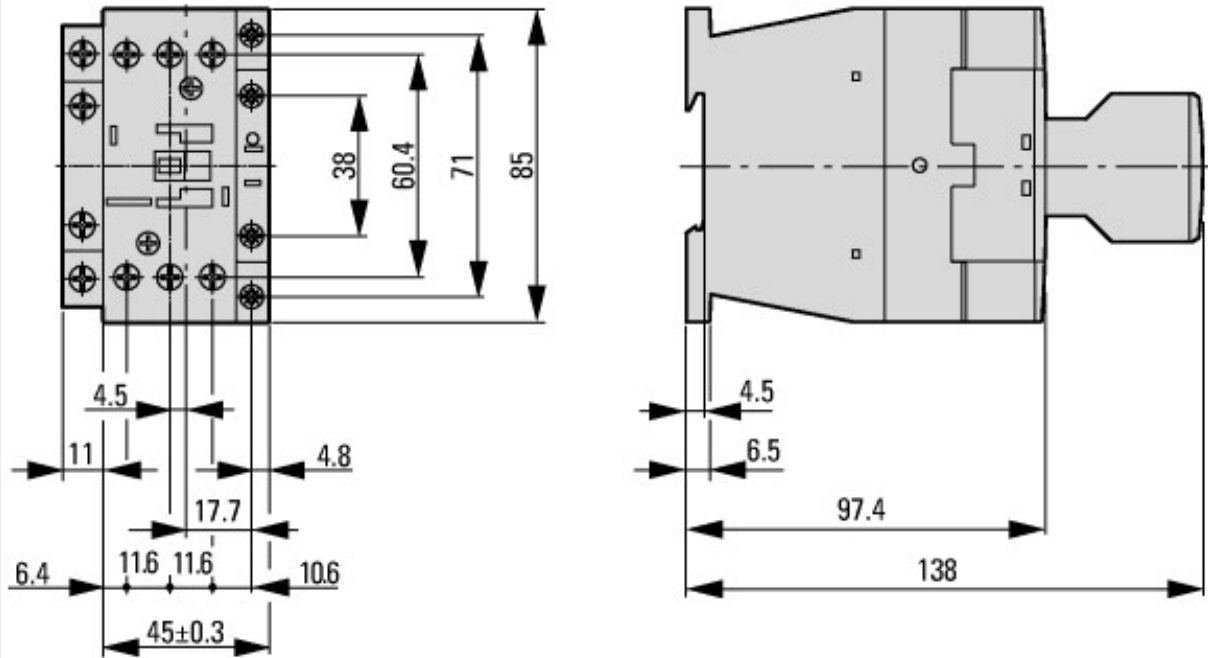


Squirrel-cage motor  
 Operating characteristics  
 Starting: from rest  
 Stopping: after attaining full running speed  
 Electrical characteristics  
 Make: up to 6 x rated motor current  
 Break: up to 1 x rated motor current  
 Utilization category  
 100 % AC-3  
 Typical applications  
 Compressors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

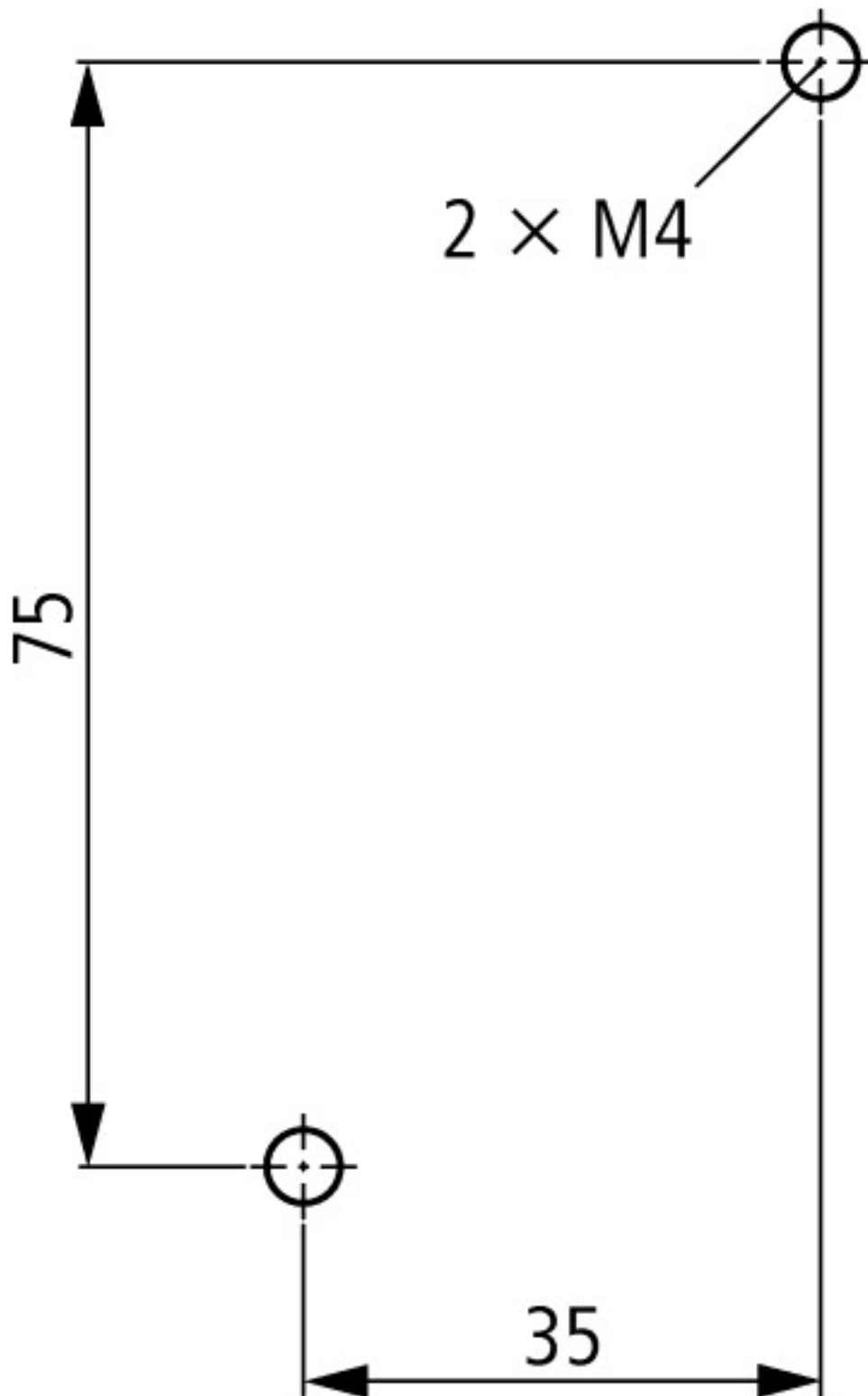


Extreme switching duty  
 Squirrel-cage motor  
 Operating characteristics  
 Inching, plugging, reversing  
 Electrical characteristics  
 Make: up to 6 x rated motor current  
 Break: up to 6 x rated motor current  
 Utilization category  
 100 % AC-4  
 Typical applications  
 Printing presses  
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

Dimensions



Contactor with auxiliary contact module



Lateral clearance to earthed parts: 6 mm

### Additional product information (links)

|                                                                                                |                                                                                                                                                         |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| UL/CSA: Approved rating data                                                                   | <a href="http://de.ecat.moeller.net/flip-cat?edition=HPLTE&amp;startpage=5.84">http://de.ecat.moeller.net/flip-cat?edition=HPLTE&amp;startpage=5.84</a> |
| UL/CSA: UL/CSA: Short Circuit Current Rating (SCCR)                                            | <a href="http://de.ecat.moeller.net/flip-cat?edition=HPLTE&amp;startpage=5.86">http://de.ecat.moeller.net/flip-cat?edition=HPLTE&amp;startpage=5.86</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>                       |
| Motor starters and "Special Purpose Ratings" for the North American market                     | <a href="http://www.moeller.net/binary/ver_techpapers/ver953en.pdf">http://www.moeller.net/binary/ver_techpapers/ver953en.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>                       |

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|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 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> |