

|  |  |                 |                                      |
|--|--|-----------------|--------------------------------------|
| 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                   |
| 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                              |
| Tool                                     |  |                 |                                      |
| Stripping length                         |  | mm              | 10                                   |
| Screwdriver blade width                  |  | mm              | 3.5                                  |

### Main conducting paths

|                                       |                   |         |       |
|---------------------------------------|-------------------|---------|-------|
| Rated impulse withstand voltage       | $U_{imp}$         | V<br>AC | 8000  |
| Overvoltage category/pollution degree |                   |         | III/3 |
| Rated insulation voltage              | $U_i$             | V<br>AC | 690   |
| Rated operational voltage             | $U_e$             | V<br>AC | 690   |
| Safe isolation to EN 61140            |                   |         |       |
| between coil and contacts             |                   | V<br>AC | 440   |
| between the contacts                  |                   | V<br>AC | 440   |
| Making capacity                       |                   |         |       |
|                                       | $U_p$ to 690<br>V | A       | 350   |
| Breaking capacity                     |                   |         |       |
| 220 V 230 V                           |                   | A       | 250   |
| 380 V 400 V AC                        |                   | A       | 250   |
| 500 V                                 |                   | A       | 250   |
| 660 690 V AC                          |                   | A       | 150   |
| Short-circuit rating                  |                   |         |       |
| Short-circuit protection maximum fuse |                   |         |       |
| Type "2" coordination                 |                   |         |       |
| 400 V                                 | gG/gL<br>500 V    | A       | 35    |
| 690 V                                 | gG/gL<br>690 V    | A       | 35    |
| Type "1" coordination                 |                   |         |       |
| 400 V                                 | gG/gL<br>500 V    | A       | 100   |
| 690 V                                 | gG/gL<br>690 V    | A       | 50    |

### AC

|   |                |   |    |
|---|----------------|---|----|
| AC-1  |                |   |    |
| Rated operational current                                 |                |   |    |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz |                |   |    |
| Open  |                |   |    |
| at 40 °C  | $I_{th} = I_e$ | A | 45 |
| at 50 °C  | $I_{th} = I_e$ | A | 43 |
| at 55 °C  | $I_{th} = I_e$ | A | 42 |
| at 60 °C  | $I_{th} = I_e$ | A | 40 |
| enclosed  | $I_{th}$       | A | 36 |
| Conventional free air thermal current, 1 pole             |                |   |    |

|                           |          |     |      |
|---------------------------|----------|-----|------|
| open                      | $I_{th}$ | A   | 100  |
| enclosed                  | $I_{th}$ | A   | 90   |
| <b>AC-3</b>               |          |     |      |
| Rated operational current |          |     |      |
| Open, 3-pole: 50 – 60 Hz  |          |     |      |
| 220 V 230 V               | $I_e$    | A   | 25   |
| 240 V                     | $I_e$    | A   | 25   |
| 380 V 400 V               | $I_e$    | A   | 25   |
| 415 V                     | $I_e$    | A   | 25   |
| 440V                      | $I_e$    | A   | 25   |
| 500 V                     | $I_e$    | A   | 25   |
| 660 V 690 V               | $I_e$    | A   | 15   |
| Motor rating              |          |     |      |
| 220 V 230 V               | P        | kWh |      |
| 240V                      | P        | kW  | 7.5  |
| 380 V 400 V               | P        | kW  | 8.5  |
| 415 V                     | P        | kW  | 11   |
| 440 V                     | P        | kW  | 14.5 |
| 500 V                     | P        | kW  | 15.5 |
| 660 V 690 V               | P        | kW  | 17.5 |
| <b>AC-4</b>               |          |     |      |
| Open, 3-pole: 50 – 60 Hz  |          |     |      |
| 230 V                     | $I_e$    | A   | 13   |
| 240 V                     | $I_e$    | A   | 13   |
| 400 V                     | $I_e$    | A   | 13   |
| 415 V                     | $I_e$    | A   | 13   |
| 440 V                     | $I_e$    | A   | 13   |
| 500 V                     | $I_e$    | A   | 13   |
| 690 V                     | $I_e$    | A   | 10   |
| Motor rating              |          |     |      |
| 230 V                     | P        | kWh |      |
| 240 V                     | P        | kW  | 3.5  |
| 400 V                     | P        | kW  | 4    |
| 415 V                     | P        | kW  | 6    |
| 440 V                     | P        | kW  | 6.5  |
| 500 V                     | P        | kW  | 7    |
| 690 V                     | P        | kW  | 8    |
|                           | P        | kW  | 8.5  |

## DC

|                                 |       |   |     |
|---------------------------------|-------|---|-----|
| Rated operational current, open |       |   |     |
| <b>DC-1</b>                     |       |   |     |
| 60 V                            | $I_e$ | A | 40  |
| 110 V                           | $I_e$ | A | 40  |
| 220 V                           | $I_e$ | A | 40  |
| 440 V                           | $I_e$ | A | 2.9 |
| <b>DC-3</b>                     |       |   |     |
| 60 V                            | $I_e$ | A | 35  |
| 110 V                           | $I_e$ | A | 35  |
| 220 V                           | $I_e$ | A | 10  |
| 440 V                           | $I_e$ | A | 0.6 |
| <b>DC-5</b>                     |       |   |     |
| 60 V                            | $I_e$ | A | 35  |
| 110 V                           | $I_e$ | A | 35  |
| 220 V                           | $I_e$ | A | 10  |