

### General characteristics

|                   |                                      |
|-------------------|--------------------------------------|
| Switching diagram | 94 - Multi-step 1-2-3-4 3 poles      |
| N° of elements    | 6                                    |
| Mounting form     | U - Front mounting with black handle |

### Contact characteristics

|                                                           |                                          |                       |                                 |
|-----------------------------------------------------------|------------------------------------------|-----------------------|---------------------------------|
| Rated insulation voltage $U_i$                            | IEC/EN<br>UL/CSA                         | V<br>V                | 690<br>600                      |
| Rated impulse withstand voltage $U_{imp}$                 |                                          | kV                    | 6                               |
| Conventional free air thermal current $I_{th}$            | IEC/EN<br>UL/CSA                         | A<br>A                | 125<br>130                      |
| Rated operational voltage                                 |                                          | V                     | 690                             |
| Rated operational impulse voltage                         |                                          | kV                    | 6                               |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA<br>15kA<br>25kA<br>50kA<br>63kA     | A<br>A<br>A<br>A<br>A | 125<br>100<br>100<br>100<br>100 |
| Rated short time current $I_{cw}$                         | 1s                                       | kA                    | 2100                            |
| Conductivity                                              |                                          |                       | 10/5 mA/V                       |
| Operational current $I_e$ IEC/EN<br>AC1/AC21A             |                                          | A                     | 125                             |
| AC15                                                      | 110V<br>220/230V<br>380/400V<br>660/690V | A<br>A<br>A<br>A      | 40<br>28<br>15<br>5             |
| Rated operational power in AC<br>Three-phase AC-3         | 220/230V<br>380/440V<br>500/690V         | kW<br>kW<br>kW        | 18.5<br>37<br>33                |
| Single-phase AC-3                                         | 110V<br>220/230V<br>380/440V             | kW<br>kW<br>kW        | 5<br>11<br>15                   |
| Three-phase AC23A                                         | 220/230V<br>380/440V<br>500/690V         | kW<br>kW<br>kW        | 30<br>45<br>37                  |
| Single-phase AC23A                                        | 110V<br>220/230V<br>380/440V             | kW<br>kW<br>kW        | 5<br>11<br>15                   |
| Rated operational current in DC<br>DC21A                  |                                          |                       |                                 |

|                                        |      |                 |                   |
|----------------------------------------|------|-----------------|-------------------|
|                                        | 48V  | A               | 125               |
|                                        | 60V  | A               | 80                |
|                                        | 110V | A               | 10                |
|                                        | 220V | A               | 1.2               |
| DC23A (poles in series)                | 24V  | A               | 125 (1)           |
|                                        | 48V  | A               | 125 (2)           |
|                                        | 60V  | A               | 125 (3)           |
|                                        | 110V | A               | 50 (3)            |
|                                        | 220V | A               | 20 (4)            |
| DC13                                   | 24V  | A               | 125               |
|                                        | 48V  | A               | 100               |
|                                        | 60V  | A               | 50                |
|                                        | 110V | A               | 4                 |
| Power dissipation                      | W    |                 | 6.3               |
| <b>Mechanical features</b>             |      |                 |                   |
| Terminals screw                        |      |                 | M2X5              |
| Tightening torque for terminals max    | Nm   |                 | 2                 |
| Conductor size                         |      |                 |                   |
| AWG - Rigid cable                      | min  | AWG             | 14                |
|                                        | Max  | AWG             | 1/0               |
| AWG - Flexible cable                   | min  | AWG             | 14                |
|                                        | Max  | AWG             | 1/0               |
| Conductor size (IEC) - Flexible cable  | min  | mm <sup>2</sup> | 2.5               |
|                                        | Max  | mm <sup>2</sup> | 50                |
| Conductor size (IEC) - Rigid cable     | min  | mm <sup>2</sup> | 2.5               |
|                                        | Max  | mm <sup>2</sup> | 50                |
| Mechanical life                        |      | cycles          | 1X10 <sup>6</sup> |
| <b>UL technical data</b>               |      |                 |                   |
| Motor power for direct-on-line control |      |                 |                   |
| for three-phase motor                  | 120V | HP              | 15                |
|                                        | 240V | HP              | 25                |
|                                        | 480V | HP              | 50                |
|                                        | 600V | HP              | 40                |
| for single-phase motor                 | 120V | HP              | 5                 |
|                                        | 240V | HP              | 15                |
| <b>Ambient conditions</b>              |      |                 |                   |
| Temperature                            |      |                 |                   |
| Operating temperature                  | min  | °C              | -25               |
|                                        | max  | °C              | +55               |
| Storage temperature                    | min  | °C              | -40               |
|                                        | max  | °C              | +70               |
| <b>Resistance &amp; Protection</b>     |      |                 |                   |
| Frontal IP degree                      |      |                 | IP40              |
| Terminals IP degree                    |      |                 | IP00              |

ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete