

### General characteristics

|                   |                                     |
|-------------------|-------------------------------------|
| Switching diagram | 52 - Changeover switch 2 poles      |
| N° of elements    | 2                                   |
| Mounting form     | O - Rear 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           | 32<br>32            |
| Rated operational voltage                                 |                                          | V                | 440                 |
| Rated operational impulse voltage                         |                                          | kV               | 4                   |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA<br>15kA<br>25kA                     | A<br>A<br>A      | 35<br>35<br>35      |
| Rated short time current $I_{cw}$                         | 1s                                       | kA               | 1000                |
| Conductivity                                              |                                          |                  | 10/5 mA/V           |
| Operational current $I_e$ IEC/EN                          |                                          |                  |                     |
| AC1/AC21A                                                 |                                          | A                | 32                  |
| AC15                                                      | 110V<br>220/230V<br>380/400V<br>660/690V | A<br>A<br>A<br>A | 25<br>20<br>10<br>2 |
| Rated operational power in AC                             |                                          |                  |                     |
| Three-phase AC-3                                          | 220/230V<br>380/440V<br>500/690V         | kW<br>kW<br>kW   | 7.5<br>11<br>11     |
| Single-phase AC-3                                         | 110V<br>220/230V<br>380/440V             | kW<br>kW<br>kW   | 1.8<br>3.5<br>5.5   |
| Three-phase AC23A                                         | 220/230V<br>380/440V<br>500/690V         | kW<br>kW<br>kW   | 8<br>15<br>15       |
| Single-phase AC23A                                        | 110V<br>220/230V<br>380/440V             | kW<br>kW<br>kW   | 2.2<br>3.5<br>6     |
| Rated operational current in DC                           |                                          |                  |                     |
| DC21A                                                     | 48V<br>60V                               | A<br>A           | 32<br>32            |

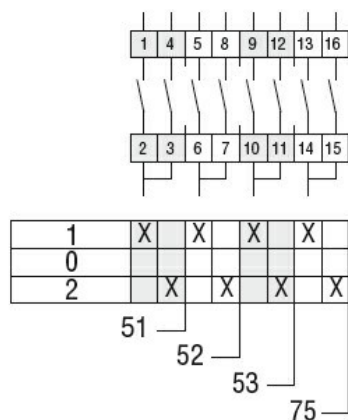
|                                        |  |      |                 |                   |
|----------------------------------------|--|------|-----------------|-------------------|
|                                        |  | 110V | A               | 5                 |
|                                        |  | 220V | A               | 0.8               |
|                                        |  | 440V | A               | 0.25              |
| DC23A (poles in series)                |  |      |                 |                   |
|                                        |  | 24V  | A               | 32 (1)            |
|                                        |  | 48V  | A               | 32 (2)            |
|                                        |  | 60V  | A               | 32 (3)            |
|                                        |  | 110V | A               | 15 (3)            |
|                                        |  | 220V | A               | 12 (4)            |
| DC13                                   |  |      |                 |                   |
|                                        |  | 24V  | A               | 32                |
|                                        |  | 48V  | A               | 25                |
|                                        |  | 60V  | A               | 14                |
|                                        |  | 110V | A               | 3                 |
|                                        |  | 220V | A               | 0.5               |
|                                        |  | 440V | A               | 0.15              |
| Power dissipation                      |  |      | W               | 1.6               |
| Mechanical features                    |  |      |                 |                   |
| Terminals screw                        |  |      |                 | M4                |
| Tightening torque for terminals max    |  |      | Nm              | 1.2               |
| Conductor size                         |  |      |                 |                   |
| AWG - Rigid cable                      |  |      |                 |                   |
|                                        |  | min  | AWG             | 16                |
|                                        |  | Max  | AWG             | 8                 |
| AWG - Flexible cable                   |  |      |                 |                   |
|                                        |  | min  | AWG             | 16                |
|                                        |  | Max  | AWG             | 10                |
| Conductor size (IEC) - Flexible cable  |  |      |                 |                   |
|                                        |  | min  | mm <sup>2</sup> | 1.5               |
|                                        |  | Max  | mm <sup>2</sup> | 6                 |
| Conductor size (IEC) - Rigid cable     |  |      |                 |                   |
|                                        |  | min  | mm <sup>2</sup> | 1.5               |
|                                        |  | Max  | mm <sup>2</sup> | 10                |
| Mechanical life                        |  |      | cycles          | 1X10 <sup>6</sup> |
| UL technical data                      |  |      |                 |                   |
| Motor power for direct-on-line control |  |      |                 |                   |
| for three-phase motor                  |  |      |                 |                   |
|                                        |  | 120V | HP              | 3                 |
|                                        |  | 240V | HP              | 7.5               |
|                                        |  | 480V | HP              | 15                |
|                                        |  | 600V | HP              | 15                |
| for single-phase motor                 |  |      |                 |                   |
|                                        |  | 120V | HP              | 1.5               |
|                                        |  | 240V | HP              | 3                 |
| Ambient conditions                     |  |      |                 |                   |
| Temperature                            |  |      |                 |                   |
| Operating temperature                  |  |      |                 |                   |
|                                        |  | min  | °C              | -25               |
|                                        |  | max  | °C              | +55               |
| Storage temperature                    |  |      |                 |                   |
|                                        |  | min  | °C              | -40               |
|                                        |  | max  | °C              | +70               |
| Resistance & Protection                |  |      |                 |                   |
| Frontal IP degree                      |  |      |                 | IP65              |

Terminals IP degree

IP20

Dimensions

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

UL60947-4-1

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete