

**General characteristics**

|                   |  |
|-------------------|--|
| Switching diagram | 69 - Changeover switch without 0 4 poles |
| N° of elements    | 4  |
| Mounting form     | O - Rear mounting with black handle      |

**Contact characteristics**

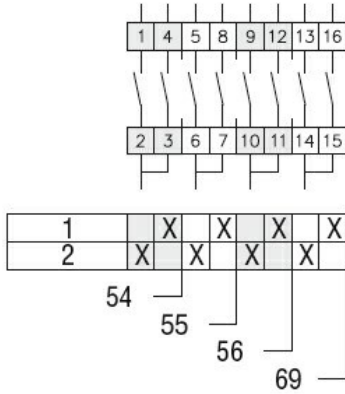
|   |                    |          |           |      |
|---|--------------------|----------|-----------|------|
| Rated insulation voltage $U_i$                            | IEC/EN             | V        | 690       |      |
|   | UL/CSA             | V        | 600       |      |
| Rated impulse withstand voltage $U_{imp}$                 |                    | kV       | 6         |      |
| Conventional free air thermal current $I_{th}$            | IEC/EN             | A        | 16        |      |
|   | UL/CSA             | A        | 12        |      |
| Rated operational voltage                                 |                    | V        | 440       |      |
| Rated operational impulse voltage                         |                    | kV       | 4         |      |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA               | A        | 16        |      |
|   | 15kA               | A        | 16        |      |
|   | 25kA               | A        | 16        |      |
| Rated short time current $I_{cw}$                         | 1s                 | kA       | 250       |      |
|   |                    |          | 10/5 mA/V |      |
| Conductivity  |                    |          | 10/5 mA/V |      |
| Operational current $I_e$ IEC/EN                          | AC1/AC21A          | A        | 16        |      |
|   | AC15               |          |           |      |
|   | 110V               | A        | 10        |      |
|   | 220/230V           | A        | 8         |      |
|   | 380/400V           | A        | 4         |      |
|   | 660/690V           | A        | 1.5       |      |
| Rated operational power in AC                             | Three-phase AC-3   | 220/230V | kW        | 3.5  |
|   |                    | 380/440V | kW        | 4.5  |
|   |                    | 500/690V | kW        | 5.5  |
|   | Single-phase AC-3  | 110V     | kW        | 0.55 |
|   |                    | 220/230V | kW        | 1.5  |
|   |                    | 380/440V | kW        | 2.2  |
|   | Three-phase AC23A  | 220/230V | kW        | 3.7  |
|   |                    | 380/440V | kW        | 6.5  |
|   |                    | 500/690V | kW        | 7.5  |
|   | Single-phase AC23A | 110V     | kW        | 0.75 |
|   |                    | 220/230V | kW        | 1.8  |
|   |                    | 380/440V | kW        | 3    |
| Rated operational current in DC                           | DC21A              | 48V      | A         | 16   |

|  |      |                 |                   |
|--|------|-----------------|-------------------|
|  | 60V  | A               | 16                |
|  | 110V | A               | 4                 |
|  | 220V | A               | 0.6               |
|  | 440V | A               | 0.25              |
| <hr/>                                  |      |                 |                   |
| DC23A (poles in series)                | 24V  | A               | 16 (1)            |
|  | 48V  | A               | 16 (2)            |
|  | 60V  | A               | 16 (3)            |
|  | 110V | A               | 10 (3)            |
|  | 220V | A               | 7 (4)             |
| <hr/>                                  |      |                 |                   |
| DC13                                   | 24V  | A               | 16                |
|  | 48V  | A               | 14                |
|  | 60V  | A               | 10                |
|  | 110V | A               | 1                 |
|  | 220V | A               | 0.4               |
|  | 440V | A               | 0.15              |
| <hr/>                                  |      |                 |                   |
| Power dissipation                      |      | W               | 0.6               |
| <b>Mechanical features</b>             |      |                 |                   |
| Terminals screw                        |      |                 | 3M                |
| Tightening torque for terminals max    |      | Nm              | 0.5               |
| <hr/>                                  |      |                 |                   |
| Conductor size                         |      |                 |                   |
| AWG - Rigid cable                      | min  | AWG             | 20                |
|  | Max  | AWG             | 12                |
| <hr/>                                  |      |                 |                   |
| AWG - Flexible cable                   | min  | AWG             | 20                |
|  | Max  | AWG             | 12                |
| <hr/>                                  |      |                 |                   |
| Conductor size (IEC) - Flexible cable  | min  | mm <sup>2</sup> | 0.5               |
|  | Max  | mm <sup>2</sup> | 2.5               |
| <hr/>                                  |      |                 |                   |
| Conductor size (IEC) - Rigid cable     | min  | mm <sup>2</sup> | 0.5               |
|  | Max  | mm <sup>2</sup> | 2.5               |
| <hr/>                                  |      |                 |                   |
| 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              | 1.5               |
|  | 240V | HP              | 3                 |
|  | 480V | HP              | 5                 |
|  | 600V | HP              | 5                 |
| <hr/>                                  |      |                 |                   |
| for single-phase motor                 | 120V | HP              | 0.75              |
|  | 240V | HP              | 1                 |
| <hr/>                                  |      |                 |                   |
| <b>Ambient conditions</b>              |      |                 |                   |
| Temperature                            |      |                 |                   |
| Operating temperature                  | min  | °C              | -25               |
|  | max  | °C              | +55               |
| <hr/>                                  |      |                 |                   |
| Storage temperature                    | min  | °C              | -40               |
|  | max  | °C              | +70               |
| <hr/>                                  |      |                 |                   |
| <b>Resistance &amp; Protection</b>     |      |                 |                   |

|                     |      |
|---------------------|------|
| 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 -<br>Selector switch,<br>complete |
|----------|--|