

### General characteristics

|                   |                                     |
|-------------------|-------------------------------------|
| Switching diagram | 82 - Multi-step 1-2-3 1 pole        |
| N° of elements    | 2                                   |
| 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 | 8    |
| Conventional free air thermal current $I_{th}$            | IEC/EN            | A  | 315  |
|   | UL/CSA            | A  | 255  |
| Rated operational voltage                                 |                   | V  | 690  |
| Rated operational impulse voltage                         |                   | kV | 6    |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA              | A  | 315  |
|   | 15kA              | A  | 315  |
| Rated short time current $I_{cw}$                         | 1s                | kA | 5200 |
|   |                   |    |      |
| Operational current $I_e$ IEC/EN<br>AC1/AC21A             |                   | A  | 315  |
|   |                   |    |      |
| Rated operational power in AC<br>Three-phase AC-3         | 220/230V          | kW | 37   |
|   | 380/440V          | kW | 55   |
|   | 500/690V          | kW | 69   |
|   | Single-phase AC-3 |    |      |
|   | 110V              | kW | 11   |
|   | 220/230V          | kW | 22   |
|   | 380/440V          | kW | 30   |
| Rated operational current in DC<br>DC21A                  | 48V               | A  | 200  |
|   | 60V               | A  | 200  |
|   | 110V              | A  | 35   |
|   | 220V              | A  | 2.5  |
|   | 440V              | A  | 0.9  |
|   |                   |    |      |
| Power dissipation   |                   | W  | 64.5 |

### Mechanical features

|                                       |                           |
|---------------------------------------|---------------------------|
| Terminals screw                       | M10                       |
| Tightening torque for terminals max   | Nm 10                     |
| Conductor size                        |                           |
| AWG - Rigid cable                     | Max AWG 1XMCM350          |
| AWG - Flexible cable                  | Max AWG 1XMCM350          |
| Conductor size (IEC) - Flexible cable | Max mm <sup>2</sup> 1X185 |
| Conductor size (IEC) - Rigid cable    |                           |

|                 |     |                 |                   |
|-----------------|-----|-----------------|-------------------|
| Mechanical life | Max | mm <sup>2</sup> | 1X185             |
|                 |     | cycles          | 2X10 <sup>5</sup> |

**UL technical data**

|   |      |    |     |
|---|------|----|-----|
| Motor power for direct-on-line control<br>for three-phase motor | 120V | HP | 30  |
|   | 240V | HP | 50  |
|   | 480V | HP | 100 |
|   | 600V | HP | 75  |
| for single-phase motor  | 120V | HP | 15  |
|   | 240V | HP | 30  |

**Ambient conditions**

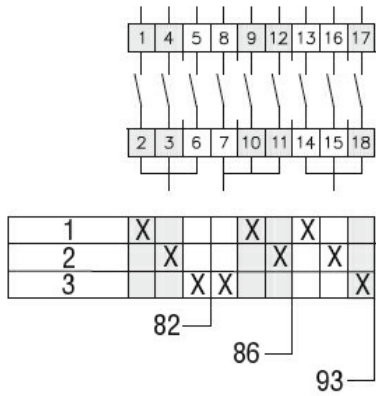
|             |                       |     |    |     |
|-------------|-----------------------|-----|----|-----|
| Temperature | Operating temperature | min | °C | -25 |
|             |                       | max | °C | +55 |
|             | Storage temperature   | min | °C | -40 |
|             |                       | max | °C | +70 |

**Resistance & Protection**

|                     |      |
|---------------------|------|
| Frontal IP degree   | IP40 |
| Terminals IP degree | IP00 |

**Dimensions**

**Wiring diagrams**



**Certifications and compliance**

|            |                     |
|------------|---------------------|
| Compliance | IEC/EN/BS 60947-1   |
|            | IEC/EN/BS 60947-3   |
|            | IEC/EN/BS 60947-5-1 |
|            | UL60947-4-1         |

|              |    |
|--------------|----|
| Certificates | UR |
|--------------|----|

**ETIM classification**

|          |                                      |
|----------|--------------------------------------|
| ETIM 8.0 | EC001029 - Selector switch, complete |
|----------|--------------------------------------|