

**General characteristics**

|                   |  |
|-------------------|--|
| Switching diagram | 26 - 3-phase motor reversing switch with spring return |
| N° of elements    | 3  |
| 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  | 40        |    |
|   | UL/CSA             | A  | 50        |    |
| Rated operational voltage                                 |                    | V  | 480       |    |
| Rated operational impulse voltage                         |                    | kV | 4         |    |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA               | A  | 40        |    |
|   | 15kA               | A  | 40        |    |
|   | 25kA               | A  | 40        |    |
|   | 50kA               | A  | 40        |    |
|   | 63kA               | A  | 40        |    |
| Rated short time current $I_{cw}$                         | 1s                 | kA | 1000      |    |
|   |                    |    | 10/5 mA/V |    |
| Conductivity  |                    |    |           |    |
| Operational current $I_e$ IEC/EN                          | AC1/AC21A          |    | A         | 40 |
|   | AC15               |    |           |    |
|   | 110V               | A  | 25        |    |
|   | 220/230V           | A  | 22        |    |
|   | 380/400V           | A  | 12        |    |
|   | 660/690V           | A  | 2         |    |
| Rated operational power in AC                             | Three-phase AC-3   |    |           |    |
|   | 220/230V           | kW | 8         |    |
|   | 380/440V           | kW | 15        |    |
|   | 500/690V           | kW | 15        |    |
|   | Single-phase AC-3  |    |           |    |
|   | 110V               | kW | 3         |    |
|   | 220/230V           | kW | 6.5       |    |
|   | 380/440V           | kW | 8         |    |
|   | Three-phase AC23A  |    |           |    |
|   | 220/230V           | kW | 8         |    |
|   | 380/440V           | kW | 18.5      |    |
|   | 500/690V           | kW | 22        |    |
|   | Single-phase AC23A |    |           |    |
|   | 110V               | kW | 3         |    |
|   | 220/230V           | kW | 6         |    |
| 380/440V  | kW                 | 11 |           |    |

**Rated operational current in DC**

|       |      |   |     |
|-------|------|---|-----|
| DC21A | 48V  | A | 40  |
|       | 60V  | A | 40  |
|       | 110V | A | 6   |
|       | 220V | A | 0.9 |

|                         |      |   |        |
|-------------------------|------|---|--------|
| DC23A (poles in series) | 24V  | A | 40 (1) |
|                         | 48V  | A | 40 (2) |
|                         | 60V  | A | 40 (3) |
|                         | 110V | A | 20 (3) |
|                         | 220V | A | 12 (4) |

|      |      |   |    |
|------|------|---|----|
| DC13 | 24V  | A | 40 |
|      | 48V  | A | 32 |
|      | 60V  | A | 16 |
|      | 110V | A | 3  |

|                   |   |     |
|-------------------|---|-----|
| Power dissipation | W | 2.0 |
|-------------------|---|-----|

**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 | 5x10 <sup>6</sup> |
|-----------------|--------|-------------------|

**UL technical data**

|   |      |    |    |
|---|------|----|----|
| Motor power for direct-on-line control<br>for three-phase motor | 120V | HP | 5  |
|   | 240V | HP | 10 |
|   | 480V | HP | 20 |
|   | 600V | HP | 20 |

|                        |      |    |   |
|------------------------|------|----|---|
| for single-phase motor | 120V | HP | 2 |
|                        | 240V | HP | 5 |

**Ambient conditions**

**Temperature**

|                       |     |    |     |
|-----------------------|-----|----|-----|
| Operating temperature | min | °C | -25 |
|                       | max | °C | +55 |

|                     |     |    |     |
|---------------------|-----|----|-----|
| Storage temperature | min | °C | -40 |
|                     | max | °C | +70 |

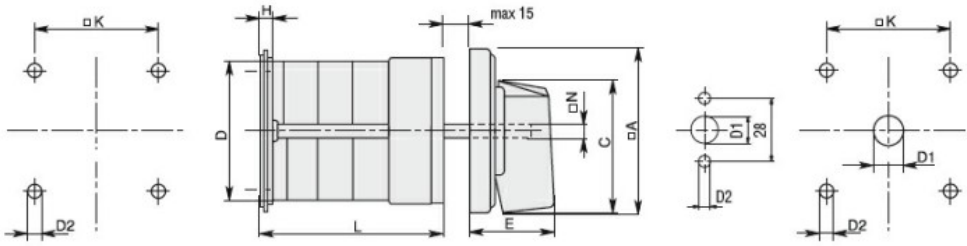
**Resistance & Protection**

|                   |      |
|-------------------|------|
| Frontal IP degree | IP40 |
|-------------------|------|

Terminals IP degree

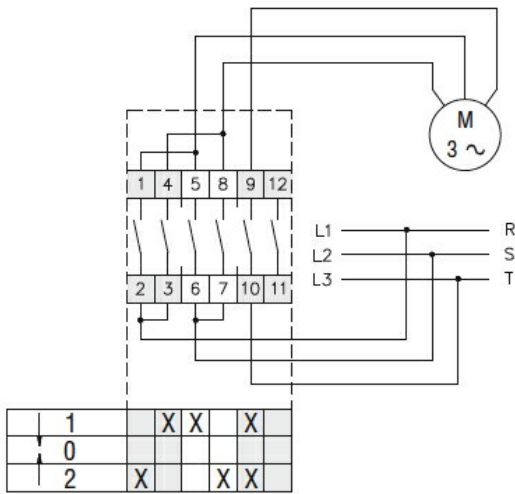
IP00

**Dimensions**



| Series | Dimensions |      |    |     |      |     |    |    | L Number of elements |       |      |       |       |       |       |       |       |       |       |       |
|--------|------------|------|----|-----|------|-----|----|----|----------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|        | ØA         | C    | ØD | ØD2 | E    | H   | ØK | ØN | 1                    | 2     | 3    | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
| 7GN12  | 48         | 39.5 | 39 | 5   | 26.5 | 5   | 36 | 6  | 38.1                 | 47.8  | 57.5 | 67.2  | 76.9  | 86.6  | 96.3  | 106   | 115.7 | 125.4 | 135.1 | 144.8 |
| 7GN20  | 48         | 39.5 | 39 | 5   | 26.5 | 5   | 36 | 6  | 38.1                 | 47.8  | 57.5 | 67.2  | 76.9  | 86.6  | 96.3  | 106   | 115.7 | 125.4 | 135.1 | 144.8 |
| 7GN25  | 48         | 39.5 | 43 | 5   | 26.5 | 5   | 36 | 6  | 42.5                 | 56.1  | 69.7 | 83.3  | 96.9  | 110.5 | 124.1 | 137.7 | 151.3 | 164.9 | 178.5 | 192.1 |
| 7GN32  | 65         | 53   | 58 | 5   | 34.5 | 5.5 | 48 | 7  | 48.5                 | 63.6  | 78.7 | 93.8  | 108.9 | 124   | 139.1 | 154.2 | 169.3 | 184.4 | 199.5 | 214.6 |
| 7GN40  | 65         | 53   | 58 | 5   | 34.5 | 5.5 | 48 | 7  | 48.5                 | 63.6  | 78.7 | 93.8  | 108.9 | 124   | 139.1 | 154.2 | 169.3 | 184.4 | 199.5 | 214.6 |
| 7GN63  | 65         | 53   | 62 | 6   | 34.5 | 7.5 | 68 | 7  | 53.3                 | 71.4  | 89.5 | 107.6 | 125.7 | 143.8 | 161.9 | 180   | 198.1 | 216.2 | 234.3 | 252.4 |
| 7GN125 | 90         | 70.5 | 86 | 6   | 41.4 | 7.5 | 68 | 9  | 74.8                 | 103.9 | 133  | 162.1 | 191.2 | 220.3 | 249.4 | 278.5 | 307.6 | 336.7 | 365.8 | 394.9 |

**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
- UL60947-4-1

Certificates

- cCSAus
- EAC
- UL

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete