

**22003004**

## Load break switch SIRCO M 3P 40A 690 VAC Rotary switch



SIRCO M are manually operated modular multipolar load break switches. They make and break under load conditions and provide safety isolation for any low voltage circuit, particularly for machine control circuits. Through the use of accessories, SIRCO M can be transformed into multipolar load break switches or 3/4 pole changeover switches. SIRCO M changeover switches provide on load changeover switching between two sources or two low voltage power circuits, as well as their safety isolation.

### Strong points

- Total integration
- A wide range of accessories
- Upgradeability
- Compliance with major certifications and approvals

### General characteristics

- Double break per pole.
- IP20 devices and accessories.
- Severe utilisation categories (AC-22 and AC-23).
- Mounting options: DIN-rail, panel or modular panel with 45 mm front cut out
- Positive break indication.
- Product can be mounted on the front of the panel using the “door mounting kit”.
- Padded contacts.

### Compliance with standards

- IEC 60947-3
- UL 508, UL98
- GB/T 14048.3

### Link to the reference



<https://emea.socomec.com/en/reference/22003004>

### Classification

|            |          |
|------------|----------|
| UNSPSC     | 39122233 |
| ETIM Class | EC000216 |
| IGCC       | 5290     |

### Commerce

|                       |  |
|-----------------------|--|
| Description           | Manual Load break switch SIRCO M frame M1 with 3 poles, 40A, 690 VAC-400 VDC rotary direct operation with handle type M00 or rotary external operation with handle type S00, S0, S01. Delivered without handle |
| Effective date        | 2006-04-13   |
| Offer Life Cycle Code | 40   |
| Country of origin     | CN   |
| Former product list   | 25003004   SIRCO VM0 3X40A   |

### Environmental Sustainability

|   |     |
|---|-----|
| Climate change - Total - Cradle to Grave [kg CO <sub>2</sub> eq.] | 17  |
| Climate change - Total - Cradle to Gate [kg CO <sub>2</sub> eq.]  | 2   |
| SVHC > 0.1 mass percentage?                                       | No  |
| RoHS applicable?  | Yes |

### ETIM - Electrical characteristics

|   |          |
|---|----------|
| Max. rated operation voltage Ue AC [V]          | 690      |
| Rated operating voltage [V]                     | 400..690 |
| Rated permanent current Iu [A]                  | 40       |
| Rated permanent current at AC-23, 400 V [A]     | 40       |
| Rated permanent current at AC-21, 400 V [A]     | 40       |
| Rated short-time withstand current Icw [kA]     | 1.26     |
| Rated operation power at AC-23, 400 V [kW]      | 22       |
| Switching power at 400 V [kW]                   | 22       |
| Conditioned rated short-circuit current Iq [kA] | 50       |
| Number of poles                                 | 3        |

### ETIM - Mechanical characteristics

|  |     |
|--|-----|
| Suitable for floor mounting                  | No  |
| Suitable for front mounting 4-hole           | No  |
| Suitable for front mounting centre           | No  |
| Suitable for distribution board installation | Yes |
| Suitable for intermediate mounting           | Yes |

|   |  |
|---|--|
| Colour control element                        | Other                                    |
| Degree of protection (IP), front side         | IP20                                     |
| Width [mm]                                    | 45                                       |
| Height [mm]                                   | 68                                       |
| Depth [mm]                                    | 64                                       |
| <b>ETIM - Technical features</b>              |  |
| Version as main switch                        | Yes                                      |
| Version as maintenance-/service switch        | Yes                                      |
| Version as safety switch                      | Yes                                      |
| Version as emergency stop installation        | Yes                                      |
| Version as reversing switch                   | No                                       |
| Number of switches                            | 1  |
| Motor drive optional                          | No                                       |
| Motor drive integrated                        | No                                       |
| Voltage release optional                      | No                                       |
| Device construction                           | Built-in device fixed built-in technique |
| Type of control element                       | Other                                    |
| Interlockable                                 | Yes                                      |
| Type of electrical connection of main circuit | Screw connection                         |
| <b>Logistics</b>                              |  |
| GTIN/EAN                                      | 3596031825424                            |
| Customs number                                | 8536508000                               |
| Price unit                                    | PC                                       |
| Weight of the packing unit [kg]               | 0.21                                     |
| Length of the packing unit [m]                | 0.102                                    |
| Width of the packing unit [m]                 | 0.056                                    |
| Depth of the packing unit [m]                 | 0.082                                    |
| <b>Norms</b>                                  |  |
| Conformity to standards                       | IEC<br/>UL                               |
| <b>Technical Characteristics</b>              |  |
| Height [mm]                                   | 68                                       |
| Width [mm]                                    | 45                                       |
| Depth [mm]                                    | 64                                       |
| Weight [kg]                                   | 0.21                                     |
| Control operator                              | Direct : M00 / External : S00, S0, S01   |
| Number of poles                               | 3  |
| Rated voltage                                 | 690 VAC - 400 VDC                        |
| Rated current [A]                             | 40                                       |
| Type  | Rotary                                   |
| Frame size                                    | M1                                       |