

**27004011**

## AC Load break switch SIRCO 4P 100A direct or external operation



### Strong points

- Reliability and performance
- Safety of property and personnel
- Simplicity

### General characteristics

Double positive break indication given by a position indicator located directly on the product  
Used of glass fiber reinforced polyester for both high mechanical and thermal resistance  
Make and break under load conditions to provide safety of person and equipment  
Large range of connection accessories and mounting brackets for quick and easy installation

### Compliance with standards

UL98,  
CSA-C22.2 No.4,  
Guide WHTY,  
File E201138

CSA 22.2 No.4,  
Class 4651-02,  
File 112964

IEC 60947-3

### Link to the reference



<https://www.socomec.us/en-us/reference/27004011>

SIRCO non-fusible disconnect switches are heavy-duty switches that break and make power circuits on and off-load conditions and provide safe isolation.

These switches are extremely durable and are tested and approved for use in the most demanding applications.

| <b>Certificates and Declaration</b>                               |   |
|---|---|
| Conformity to standard #1   | UL98  |
| Conformity to standard #2   | CSA-C22.2 No. 4   |
| Conformity to standard #3   | IEC 60947-3   |
| Proposition 65 California   | WARNING This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to: <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| <b>Environmental Sustainability</b>                               |   |
| Climate change - Total - Cradle to Grave [kg CO <sub>2</sub> eq.] | 144   |
| Climate change - Total - Cradle to Gate [kg CO <sub>2</sub> eq.]  | 17  |
| SVHC > 0.1 mass percentage?                                       | No  |
| RoHS applicable?  | Yes   |
| <b>Standards</b>  |   |
| Conformity to standards   | IEC<br/>UL  |
| <b>Certificates and Declaration - Safety</b>                      |   |
| UL file number  | E201138   |
| <b>Technical Characteristics</b>                                  |   |
| Height [mm]   | 160   |
| Width [mm]  | 230   |
| Depth [mm]  | 94.6  |
| Weight [kg]   | 2.091   |
| Control operator  | Direct : B2, J1 / External : S2   |
| Number of poles   | 4   |
| Rated voltage   | 600 VAC   |
| Rated current [A]   | 100   |
| Type  | Front operation   |
| Frame size  | B4  |
| <b>Technical Characteristics - Connection terminals</b>           |   |
| Max. connection section / AWG                                     | 300MCM  |
| Min. connection section / AWG                                     | #6  |
| <b>Technical Characteristics - Environmental</b>                  |   |
| Operating temperature   | -4 ... +122°F / -20 ... +50°C   |
| Storage temperature   | -40 ... +158°F / -40 ... +70°C  |
| <b>Technical Characteristics - Max. motor HP</b>                  |   |
| DC FLA motor max. / 125 VDC [Hp/A]                                | 10/76   |
| DC FLA motor max. / 250 VDC [Hp/A]                                | 15/55   |
| FLA 1 ph motor max. / 220-240 VAC [Hp/A]                          | 10/50   |
| FLA 1 ph motor max. / 240 VAC [Hp/A]                              | 10/50   |

|   |  |
|---|--|
| FLA 3 ph motor max. / 220-240 VAC [Hp/A]                  | 30/80                                    |
| FLA 3 ph motor max. / 440-480 VAC [Hp/A]                  | 75/96                                    |
| FLA 3 ph motor max. / 600 VAC [Hp/A]                      | 100/99                                   |
| <b>Technical Characteristics - Mechanical</b>             |  |
| Endurance (number of operating cycles)                    | 10000                                    |
| Operating torque [lbs.in/Nm]                              | 88.5/10                                  |
| <b>Technical Characteristics - Short-circuit capacity</b> |  |
| Auxiliary contacts / Electrical characteristics           | A300                                     |
| Max fuse rating [A]                                       | 100                                      |
| Operation voltage 2 P - 3/4 P                             | 600VAC                                   |
| Short circuit rating at 600 VAC [kA]                      | 200                                      |
| Type of fuse  | J  |
| UL General use rating [A]                                 | 100                                      |
| <b>ETIM - Electrical characteristics</b>                  |  |
| Max. rated operation voltage Ue AC [V]                    | 600                                      |
| Rated operating voltage [V]                               | 240..600                                 |
| Rated permanent current Iu [A]                            | 100                                      |
| Rated operation power at AC-23, 400 V [kW]                | 55                                       |
| Switching power at 400 V [kW]                             | 55                                       |
| Number of poles   | 4  |
| <b>ETIM - Mechanical characteristics</b>                  |  |
| Suitable for floor mounting                               | No                                       |
| Suitable for front mounting 4-hole                        | Yes                                      |
| Suitable for front mounting centre                        | No                                       |
| Suitable for distribution board installation              | No                                       |
| Suitable for intermediate mounting                        | Yes                                      |
| Colour control element                                    | Other                                    |
| Degree of protection (IP), front side                     | IP20                                     |
| Width [mm]  | 230                                      |
| Height [mm]   | 160                                      |
| Depth [mm]  | 94.6                                     |
| <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             | Bolt connection                          |
| <b>Logistics</b>  |  |
| GTIN/EAN  | 3596032002718                            |
| Customs number  | 8536508000                               |

|                                 |            |
|---------------------------------|------------|
| Price unit                      | PC         |
| Weight of the packing unit [kg] | 2.76       |
| Length of the packing unit [m]  | 0.17       |
| Width of the packing unit [m]   | 0.28       |
| Depth of the packing unit [m]   | 0.28       |
| <b>Product Details</b>          |            |
| Effective date                  | 2010-04-08 |
| Offer Life Cycle Code           | 40         |
| Country of origin               | FR         |
| <b>Classification</b>           |            |
| UNSPSC                          | 39122233   |
| ETIM Class                      | EC000216   |
| IGCC                            | 5290       |