

FUSELESS LOAD FEEDER DIR.-ON-LINE STARTING,  
AC 400 V, SZ S00 4.5...6.3A, DC 24V,  
1NO+1NC (CIRCUIT-BREAKER) 1NC (CONTACTOR),  
SCREW CONN. W. SLIDING ADAPTER TYPE OF COORD.  
1,  
IQ = 50KA CIRCUIT-BREAKER S0

### General technical data:

|                                                                                 |    |                               |
|---------------------------------------------------------------------------------|----|-------------------------------|
| product brand name                                                              |    | SIRIUS                        |
| Product designation                                                             |    | non-fused load feeder         |
| Design of the product                                                           |    | direct starter                |
| Size of the load feeder                                                         |    | S0                            |
| Protection class IP / on the front                                              |    | IP20                          |
| Degree of pollution                                                             |    | 3                             |
| Insulation voltage / rated value                                                | V  | 690                           |
| Installation altitude / at a height over sea level / maximum                    | m  | 2,000                         |
| Ambient temperature                                                             |    |                               |
| • during storage                                                                | °C | -55 ... +80                   |
| • during operating                                                              | °C | -20 ... +70                   |
| Resistance against shock                                                        |    | 12.5g                         |
| Impulse voltage resistance / rated value                                        | kV | 6                             |
| Reference code                                                                  |    |                               |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |    | Q                             |
| • according to DIN EN 61346-2                                                   |    | Q                             |
| Type of assignment                                                              |    | 1                             |
| Mechanical operating cycles as operating time / of the contactor / typical      |    | 10,000,000                    |
| Manufacturer article number                                                     |    |                               |
| • of the standard mounting rail adapter included in the scope of supply         |    | <a href="#">3RA1922-1L</a>    |
| • of the circuit-breakers included in the scope of supply                       |    | <a href="#">3RV1021-1GA15</a> |
| • of the contactor included in the scope of supply                              |    | <a href="#">3RT1016-1BB42</a> |
| • of the link module included in the scope of supply                            |    | <a href="#">3RA1921-1AA00</a> |
| Design of the switching contact                                                 |    | electromechanical             |
| Type of the motor protection                                                    |    | bimetal                       |
| Adjustable response current                                                     |    |                               |
| • of the current-dependent overload release                                     | A  | 4.5 ... 6.3                   |

| Communication/ Protocol:                                                                  |     |                                                                                                                   |
|-------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------|
| Product function / bus-communication                                                      |     | No                                                                                                                |
| Protocol / is supported                                                                   |     |                                                                                                                   |
| • AS interface protocol                                                                   |     | No                                                                                                                |
| • PROFIBUS DP protocol                                                                    |     | No                                                                                                                |
| • PROFINET protocol                                                                       |     | No                                                                                                                |
| Main circuit:                                                                             |     |                                                                                                                   |
| Number of poles / for main current circuit                                                |     | 3                                                                                                                 |
| Operating voltage / at AC-3 / rated value / maximum                                       | V   | 400                                                                                                               |
| Operating current / at AC-3 / at 400 V / rated value                                      | A   | 5                                                                                                                 |
| Service power / at AC-3 / at 400 V / rated value                                          | kW  | 2.2                                                                                                               |
| Off-load operating frequency                                                              | 1/s | 15                                                                                                                |
| Control circuit/ Control:                                                                 |     |                                                                                                                   |
| Voltage type / of control feed voltage                                                    |     | DC                                                                                                                |
| Control supply voltage / 1                                                                |     |                                                                                                                   |
| • for DC                                                                                  |     |                                                                                                                   |
| • rated value                                                                             | V   | 24                                                                                                                |
| Auxiliary circuit:                                                                        |     |                                                                                                                   |
| Product extension / auxiliary switch                                                      |     | Yes                                                                                                               |
| Number of NC contacts / for auxiliary contacts                                            |     | 2                                                                                                                 |
| Number of NO contacts / for auxiliary contacts                                            |     | 1                                                                                                                 |
| Number of changeover contacts / for auxiliary contacts                                    |     | 0                                                                                                                 |
| Inputs/ Outputs:                                                                          |     |                                                                                                                   |
| Number of digital inputs                                                                  |     | 0                                                                                                                 |
| Short-circuit:                                                                            |     |                                                                                                                   |
| Product function / short circuit protection                                               |     | Yes                                                                                                               |
| Design of the short-circuit protection                                                    |     | circuit-breakers                                                                                                  |
| Breaking capacity limit short-circuit current (I <sub>cu</sub> ) / at 400 V / rated value | kA  | 50                                                                                                                |
| Installation/ mounting/ dimensions:                                                       |     |                                                                                                                   |
| mounting position                                                                         |     | bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar |
| Mounting type                                                                             |     | snap-on mounting                                                                                                  |
| Width                                                                                     | mm  | 45                                                                                                                |
| Height                                                                                    | mm  | 205                                                                                                               |
| Depth                                                                                     | mm  | 154                                                                                                               |

|                                                                     |    |    |
|---------------------------------------------------------------------|----|----|
| <b>Distance, to be maintained, to the ranks assembly / sideways</b> | mm | 0  |
| <b>Distance, to be maintained, to earthed part</b>                  |    |    |
| • forwards                                                          | mm | 10 |
| • backwards                                                         | mm | 0  |
| • upwards                                                           | mm | 30 |
| • sideways                                                          | mm | 9  |
| <b>Distance, to be maintained, conductive elements</b>              |    |    |
| • forwards                                                          | mm | 10 |
| • backwards                                                         | mm | 9  |
| • downwards                                                         | mm | 0  |
| • sideways                                                          | mm | 30 |

#### Connections/ terminals:

|                                                                       |                                            |
|-----------------------------------------------------------------------|--------------------------------------------|
| <b>Design of the electrical connection / for main current circuit</b> | screw-type terminals                       |
| <b>Verification of suitability</b>                                    | UL / CSA / CCC / GL / LRS / BV / DNV / PRS |

#### Certificates/ approvals:

| General Product Approval | For use in hazardous locations | Declaration of Conformity |
|--------------------------|--------------------------------|---------------------------|
|--------------------------|--------------------------------|---------------------------|



#### Shipping Approval



other

[other](#)

[Environmental Confirmations](#)

#### Further information:

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrial-controls/mall>

**Cax online generator**

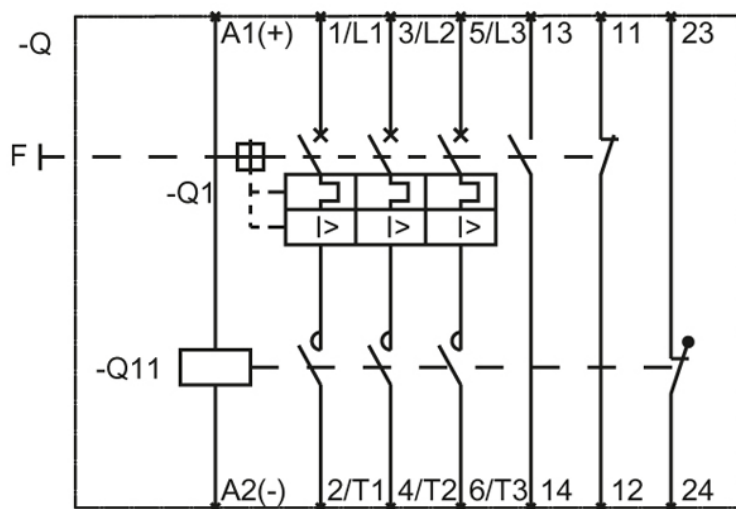
<http://www.siemens.com/cax>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/3RA1125-1GL16-2BB4/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RA1125-1GL16-2BB4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA1125-1GL16-2BB4)



last change:

Jul 28, 2014