

LOAD FEEDER, FUSELESS DIRECT START,  
AC 400V, SIZE S00, 4.5...6.3A, AC 100V,  
50/60HZ,  
SCREW CONNECTION FOR DIN RAIL MOUNTING,  
IQ = 50KA,  
1NO (CONTACTOR) 1NO+1NC (CIRCUIT BREAKER)

### General technical data:

|                                                                                   |    |                               |
|-----------------------------------------------------------------------------------|----|-------------------------------|
| <b>product brand name</b>                                                         |    | SIRIUS                        |
| <b>Product designation</b>                                                        |    | non-fused load feeder         |
| <b>Design of the product</b>                                                      |    | direct starter                |
| <b>Size of the load feeder</b>                                                    |    | S00                           |
| <b>Protection class IP / on the front</b>                                         |    | IP20                          |
| <b>Degree of pollution</b>                                                        |    | 3                             |
| <b>Insulation voltage / rated value</b>                                           | V  | 690                           |
| <b>Installation altitude / at a height over sea level / maximum</b>               | m  | 2,000                         |
| <b>Ambient temperature</b>                                                        |    |                               |
| • during storage                                                                  | °C | -55 ... +80                   |
| • during operating                                                                | °C | -20 ... +70                   |
| <b>Resistance against shock</b>                                                   |    | 9.8g                          |
| <b>Impulse voltage resistance / rated value</b>                                   | kV | 6                             |
| <b>Reference code</b>                                                             |    |                               |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750   |    | Q                             |
| • according to DIN EN 61346-2                                                     |    | Q                             |
| <b>Type of assignment</b>                                                         |    | 1                             |
| <b>Mechanical operating cycles as operating time / of the contactor / typical</b> |    | 30,000,000                    |
| <b>Manufacturer article number</b>                                                |    |                               |
| • of the circuit-breakers included in the scope of supply                         |    | <a href="#">3RV1011-1GA10</a> |
| • of the contactor included in the scope of supply                                |    | <a href="#">3RT1015-1AP01</a> |
| • of the link module included in the scope of supply                              |    | <a href="#">3RA1911-1AA00</a> |
| <b>Design of the switching contact</b>                                            |    | electromechanical             |
| <b>Type of the motor protection</b>                                               |    | bimetal                       |
| <b>Adjustable response current</b>                                                |    |                               |
| • of the current-dependent overload release                                       | A  | 4.5 ... 6.3                   |

### Communication/ Protocol:

|                                             |  |    |
|---------------------------------------------|--|----|
| <b>Product function / bus-communication</b> |  | No |
| <b>Protocol / is supported</b>              |  |    |
| • AS interface protocol                     |  | No |
| • PROFIBUS DP protocol                      |  | No |
| • PROFINET protocol                         |  | No |

|                                                             |     |     |
|-------------------------------------------------------------|-----|-----|
| <b>Main circuit:</b>                                        |     |     |
| <b>Number of poles / for main current circuit</b>           |     | 3   |
| <b>Operating voltage / at AC-3 / rated value / maximum</b>  | V   | 400 |
| <b>Operating current / at AC-3 / at 400 V / rated value</b> | A   | 5   |
| <b>Service power / at AC-3 / at 400 V / rated value</b>     | kW  | 2.2 |
| <b>Off-load operating frequency</b>                         | 1/s | 15  |

|                                               |    |     |
|-----------------------------------------------|----|-----|
| <b>Control circuit/ Control:</b>              |    |     |
| <b>Voltage type / of control feed voltage</b> |    | AC  |
| <b>Control supply voltage frequency / 1</b>   |    |     |
| • rated value                                 | Hz | 50  |
| • initial rated value                         | Hz | 50  |
| • final rated value                           | Hz | 60  |
| <b>Control supply voltage / 1</b>             |    |     |
| • at 50 Hz / for AC                           |    |     |
| • rated value                                 | V  | 100 |
| • for AC / at 60 Hz                           |    |     |
| • initial rated value                         | V  | 100 |
| • final rated value                           | V  | 110 |

|                                                       |  |     |
|-------------------------------------------------------|--|-----|
| <b>Auxiliary circuit:</b>                             |  |     |
| <b>Product extension / auxiliary switch</b>           |  | Yes |
| <b>Number of NC contacts / for auxiliary contacts</b> |  | 1   |
| <b>Number of NO contacts / for auxiliary contacts</b> |  | 2   |

|                                 |  |   |
|---------------------------------|--|---|
| <b>Inputs/ Outputs:</b>         |  |   |
| <b>Number of digital inputs</b> |  | 0 |

|                                                                                     |    |                  |
|-------------------------------------------------------------------------------------|----|------------------|
| <b>Short-circuit:</b>                                                               |    |                  |
| <b>Product function / short circuit protection</b>                                  |    | Yes              |
| <b>Design of the short-circuit protection</b>                                       |    | circuit-breakers |
| <b>Breaking capacity limit short-circuit current (Icu) / at 400 V / rated value</b> | kA | 50               |

|                                            |  |  |
|--------------------------------------------|--|--|
| <b>Installation/ mounting/ dimensions:</b> |  |  |
|--------------------------------------------|--|--|

|                                                                     |    |                                                                                                                   |
|---------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------|
| <b>mounting position</b>                                            |    | bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar |
| <b>Mounting type</b>                                                |    | snap-on mounting                                                                                                  |
| <b>Width</b>                                                        | mm | 45                                                                                                                |
| <b>Height</b>                                                       | mm | 159                                                                                                               |
| <b>Depth</b>                                                        | mm | 111                                                                                                               |
| <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 | 20                                                                                                                |
| • sideways                                                          | mm | 9                                                                                                                 |
| <b>Distance, to be maintained, conductive elements</b>              |    |                                                                                                                   |
| • forwards                                                          | mm | 10                                                                                                                |
| • backwards                                                         | mm | 9                                                                                                                 |
| • downwards                                                         | mm | 0                                                                                                                 |
| • sideways                                                          | mm | 20                                                                                                                |

#### Connections/ terminals:

|                                                                       |  |                                            |
|-----------------------------------------------------------------------|--|--------------------------------------------|
| <b>Design of the electrical connection / for main current circuit</b> |  | screw-type terminals                       |
| <b>Type of the connectable conductor cross-section</b>                |  |                                            |
| • for main contacts                                                   |  |                                            |
| • solid                                                               |  | 0.5 ... 4 mm², 2x (0.75 ... 2.5 mm²)       |
| • stranded                                                            |  | 0.5 ... 4 mm², 2x (0.75 ... 2.5 mm²)       |
| • finely stranded / with conductor end processing                     |  | 0.5 ... 2.5 mm², 2x (0.5 ... 2.5 mm²)      |
| • for AWG conductors / for main contacts                              |  | 2x (18 ... 14)                             |
| <b>Verification of suitability</b>                                    |  | UL / CSA / CCC / GL / LRS / BV / DNV / PRS |

#### Certificates/ approvals:



last change:

Jul 28, 2014