



LOAD FEEDER FUSE LINE DIRECT START,  
400 V AC, SIZE S0 11...16 A,  
110 V AC 50/60 HZ,  
SCREW CONNECTION FOR TOP-HAT RAIL MOUNTING  
ASSIGN. TYPE 1,  
IQ = 50 KA

### 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            |

|                                                                                                                                                                                                                                       |   |                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------|
| <b>Manufacturer article number</b>                                                                                                                                                                                                    |   |                                                                                                 |
| <ul style="list-style-type: none"> <li>• of the circuit-breakers included in the scope of supply</li> <li>• of the contactor included in the scope of supply</li> <li>• of the link module included in the scope of supply</li> </ul> |   | <a href="#">3RV1021-4AA10</a><br><a href="#">3RT1026-1AP00</a><br><a href="#">3RA1921-1AA00</a> |
| <b>Design of the switching contact</b>                                                                                                                                                                                                |   | electromechanical                                                                               |
| <b>Type of the motor protection</b>                                                                                                                                                                                                   |   | bimetal                                                                                         |
| <b>Adjustable response current</b>                                                                                                                                                                                                    |   |                                                                                                 |
| <ul style="list-style-type: none"> <li>• of the current-dependent overload release</li> </ul>                                                                                                                                         | A | 11 ... 16                                                                                       |

#### Communication/ Protocol:

|                                                                           |  |    |
|---------------------------------------------------------------------------|--|----|
| <b>Product function / bus-communication</b>                               |  | No |
| <b>Protocol / is supported</b>                                            |  |    |
| <ul style="list-style-type: none"> <li>• AS interface protocol</li> </ul> |  | No |
| <ul style="list-style-type: none"> <li>• PROFIBUS DP protocol</li> </ul>  |  | No |
| <ul style="list-style-type: none"> <li>• PROFINET protocol</li> </ul>     |  | No |

#### Main circuit:

|                                                             |     |      |
|-------------------------------------------------------------|-----|------|
| <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   | 15.5 |
| <b>Service power / at AC-3 / at 400 V / rated value</b>     | kW  | 7.5  |
| <b>Off-load operating frequency</b>                         | 1/s | 15   |

#### Control circuit/ Control:

|                                                                                                                                        |    |     |
|----------------------------------------------------------------------------------------------------------------------------------------|----|-----|
| <b>Voltage type / of control feed voltage</b>                                                                                          |    | AC  |
| <b>Control supply voltage frequency / 1</b>                                                                                            |    |     |
| <ul style="list-style-type: none"> <li>• initial rated value</li> </ul>                                                                | Hz | 50  |
| <ul style="list-style-type: none"> <li>• final rated value</li> </ul>                                                                  | Hz | 60  |
| <b>Control supply voltage / 1</b>                                                                                                      |    |     |
| <ul style="list-style-type: none"> <li>• at 50 Hz / for AC <ul style="list-style-type: none"> <li>• rated value</li> </ul> </li> </ul> | V  | 110 |
| <ul style="list-style-type: none"> <li>• for AC / at 60 Hz <ul style="list-style-type: none"> <li>• rated value</li> </ul> </li> </ul> | V  | 110 |

#### Auxiliary circuit:

|                                                               |  |     |
|---------------------------------------------------------------|--|-----|
| <b>Product extension / auxiliary switch</b>                   |  | Yes |
| <b>Number of NC contacts / for auxiliary contacts</b>         |  | 0   |
| <b>Number of NO contacts / for auxiliary contacts</b>         |  | 0   |
| <b>Number of changeover contacts / for auxiliary contacts</b> |  | 0   |

#### Inputs/ Outputs:

|                                 |  |   |
|---------------------------------|--|---|
| <b>Number of digital inputs</b> |  | 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 fastening on 35 mm standard rail                                                                          |
| Width                                                        | mm | 45                                                                                                                |
| Height                                                       | mm | 183                                                                                                               |
| Depth                                                        | mm | 96                                                                                                                |
| Distance, to be maintained, to the ranks assembly / sideways | mm | 0                                                                                                                 |
| Distance, to be maintained, to earthed part                  |    |                                                                                                                   |
| • forwards                                                   | mm | 10                                                                                                                |
| • backwards                                                  | mm | 0                                                                                                                 |
| • upwards                                                    | mm | 30                                                                                                                |
| • sideways                                                   | mm | 9                                                                                                                 |
| Distance, to be maintained, conductive elements              |    |                                                                                                                   |
| • forwards                                                   | mm | 10                                                                                                                |
| • backwards                                                  | mm | 9                                                                                                                 |
| • downwards                                                  | mm | 0                                                                                                                 |
| • sideways                                                   | mm | 30                                                                                                                |

| Connections/ terminals:                                        |  |                                                     |
|----------------------------------------------------------------|--|-----------------------------------------------------|
| Design of the electrical connection / for main current circuit |  | screw-type terminals                                |
| Type of the connectable conductor cross-section                |  |                                                     |
| • for main contacts                                            |  |                                                     |
| • solid                                                        |  | 1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) |
| • stranded                                                     |  | 1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) |
| • finely stranded / with conductor end processing              |  | 1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) |
| • for AWG conductors / for main contacts                       |  | 2x (14 ... 10)                                      |
| Verification of suitability                                    |  | 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

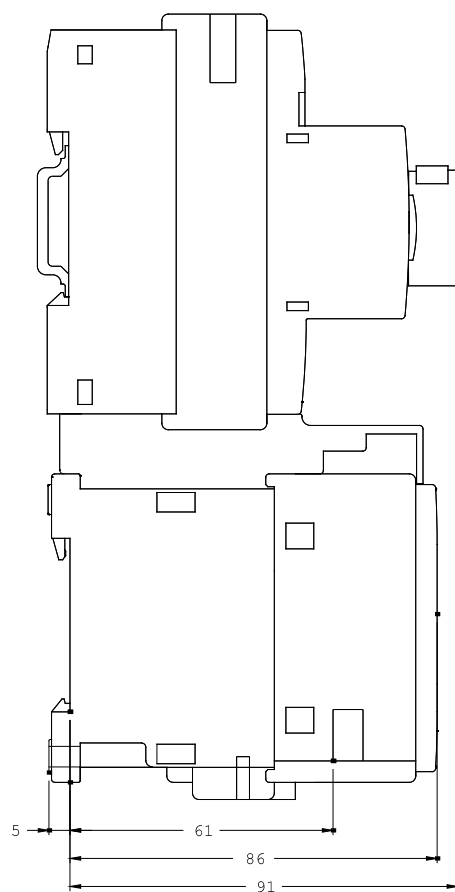
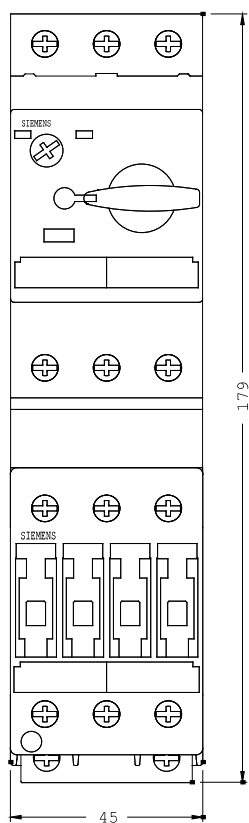
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RA1120-4AA25-0AG2/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RA1120-4AA25-0AG2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA1120-4AA25-0AG2)



last change:

Jul 28, 2014