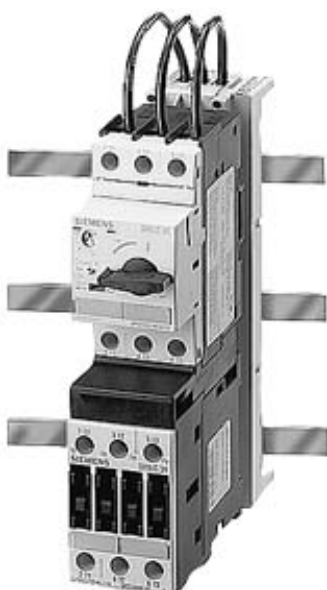




LOAD FEEDER FUSELESS DIRECT STARTING, AC  
400V, SIZE S0 2.2...3.2 A,  
DC 24 V,  
SCREW CONNECTION ON 60 MM BUSBAR ADAPTER  
TYPE OF COORDIN. 2,  
IQ = 50 KA (ALSO COMPATIBLE WITH TYPE OF  
COORDINATION 1)

### 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                                                              |    | 2                     |
| 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> <li>• of the busbar adapter included in the scope of supply</li> </ul> |   | <a href="#">3RV1021-1DA10</a><br><a href="#">3RT1024-1BB40</a><br><a href="#">3RA1921-1BA00</a><br><a href="#">8US1251-5DM07</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 | 2.2 ... 3.2                                                                                                                      |

|                                                                           |  |    |
|---------------------------------------------------------------------------|--|----|
| <b>Communication/ Protocol:</b>                                           |  |    |
| <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 |

|                                                             |     |     |
|-------------------------------------------------------------|-----|-----|
| <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   | 2.7 |
| <b>Service power / at AC-3 / at 400 V / rated value</b>     | kW  | 1.1 |
| <b>Off-load operating frequency</b>                         | 1/s | 15  |

|                                                                                   |   |    |
|-----------------------------------------------------------------------------------|---|----|
| <b>Control circuit/ Control:</b>                                                  |   |    |
| <b>Voltage type / of control feed voltage</b>                                     |   | DC |
| <b>Control supply voltage / 1</b>                                                 |   |    |
| <ul style="list-style-type: none"> <li>• for DC</li> <li>• rated value</li> </ul> | V | 24 |

|                                                               |  |     |
|---------------------------------------------------------------|--|-----|
| <b>Auxiliary circuit:</b>                                     |  |     |
| <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   |

|                                 |  |   |
|---------------------------------|--|---|
| <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 (I<sub>cu</sub>) / at 400 V / rated value</b> | kA | 50 |
|------------------------------------------------------------------------------------------------|----|----|

#### Installation/ mounting/ dimensions:

|                                                                     |    |                                                                                                                   |
|---------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------|
| <b>mounting position</b>                                            |    | bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar |
| <b>Mounting type</b>                                                |    | for snapping onto 60 mm busbar systems                                                                            |
| <b>Width</b>                                                        | mm | 45                                                                                                                |
| <b>Height</b>                                                       | mm | 183                                                                                                               |
| <b>Depth</b>                                                        | mm | 101                                                                                                               |
| <b>Center line spacing</b>                                          | mm | 60                                                                                                                |
| <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>Type of the connectable conductor cross-section</b>                |  |                                                                                            |
| • for main contacts                                                   |  |                                                                                            |
| • solid                                                               |  | 1 ... 6 mm <sup>2</sup> , 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) |
| • stranded                                                            |  | 1 ... 6 mm <sup>2</sup> , 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) |
| • finely stranded / with conductor end processing                     |  | 1 ... 6 mm <sup>2</sup> , 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) |
| • for AWG conductors / for main contacts                              |  | 2x (14 ... 10)                                                                             |
| <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

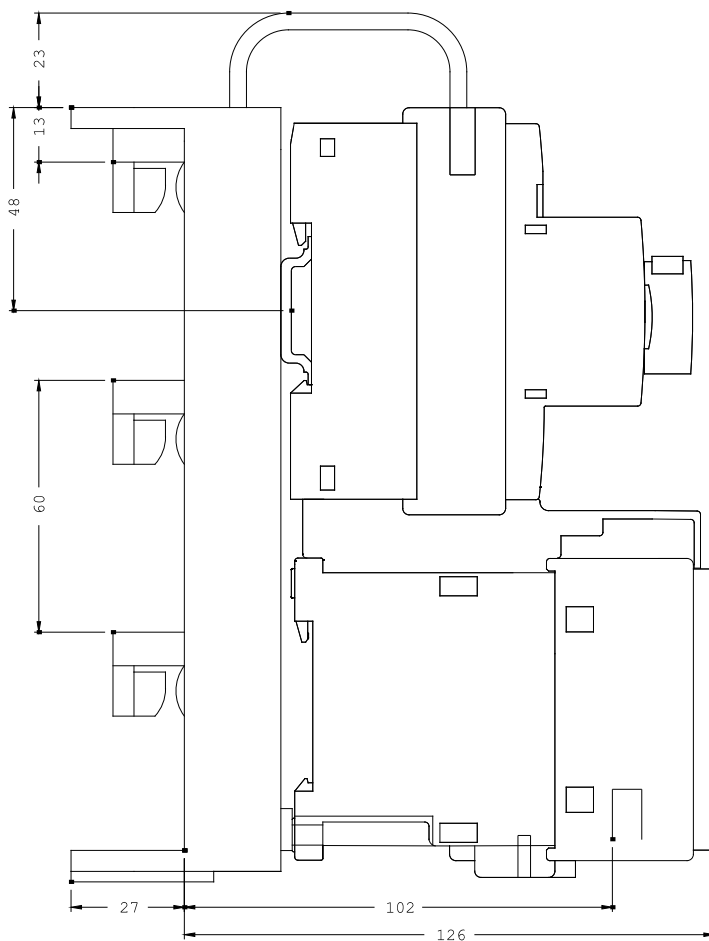
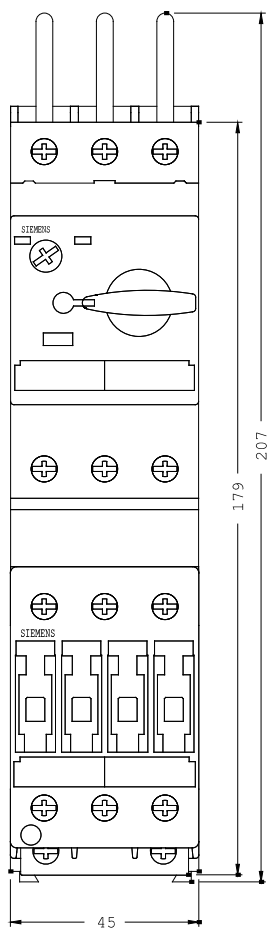
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RA1120-1DD24-0BB4/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RA1120-1DD24-0BB4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA1120-1DD24-0BB4)



last change:

Jul 28, 2014