

FUSELESS FEEDER REVERSING DUTY, 400V AC  
SIZE S0, 1.8...2.5A, 24V DC, 1NO+ 1NC CIRCUIT  
BREAKER W. SLIDING ADAPTER+ADD-ON MOD.  
CIRCUIT BREAKER S0

| General technical data:                                                             |    |                                |
|-------------------------------------------------------------------------------------|----|--------------------------------|
| product brand name                                                                  |    | SIRIUS                         |
| Product designation                                                                 |    | non-fused load feeder          |
| Design of the product                                                               |    | reversing starter              |
| Size of load feeder                                                                 |    | S0                             |
| Protection class IP on the front                                                    |    | IP20                           |
| Degree of pollution                                                                 |    | 3                              |
| Insulation voltage rated value                                                      | V  | 690                            |
| Installation altitude at height above sea level maximum                             | m  | 2 000                          |
| Ambient temperature                                                                 |    |                                |
| • during storage                                                                    | °C | -55 ... +80                    |
| • during transport                                                                  | °C | 70 ... -20                     |
| • during operation                                                                  | °C | -20 ... +70                    |
| Shock resistance                                                                    |    | 12.5g                          |
| Surge voltage resistance rated value                                                | kV | 6                              |
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 |    | Q                              |
| Equipment marking acc. to DIN EN 61346-2                                            |    | Q                              |
| Type of assignment                                                                  |    | 1                              |
| Mechanical service life (switching cycles) of contactor typical                     |    | 10 000 000                     |
| Manufacturer's article number                                                       |    |                                |
| • of the supplied standard mounting rail adapter                                    |    | <a href="#">3RA1922-1R</a>     |
| • of the supplied circuit-breakers                                                  |    | <a href="#">3RV1021-1CA15</a>  |
| • of the supplied contactor                                                         |    | <a href="#">3RT10 16-1BB42</a> |
| • of the supplied link module                                                       |    | <a href="#">3RA19 11-1AA00</a> |
| Design of the switching contact                                                     |    | electromechanical              |
| Type of the motor protection                                                        |    | bimetal                        |
| Adjustable pick-up value current of the current-dependent overload release          | A  | 1.8 ... 2.5                    |
| Communication/ Protocol:                                                            |    |                                |
| Product function Bus communication                                                  |    | No                             |
| Protocol is supported                                                               |    |                                |
| • AS-interface protocol                                                             |    | No                             |

- PROFIBUS DP protocol
- PROFINET protocol

No  
No

#### Main circuit:

|                                                |     |      |
|------------------------------------------------|-----|------|
| Number of poles for main current circuit       |     | 3    |
| Operating voltage at AC-3 rated value maximum  | V   | 690  |
| Operating current at AC-3 at 400 V rated value | A   | 1.9  |
| Operating power at AC-3 at 400 V rated value   | kW  | 0.75 |
| No-load switching frequency                    | 1/s | 15   |

#### Control circuit/ Control:

|                                                                                  |   |    |
|----------------------------------------------------------------------------------|---|----|
| Type of voltage of the control supply voltage                                    |   | DC |
| Control supply voltage 1                                                         |   |    |
| <ul style="list-style-type: none"> <li>• at DC</li> <li>— rated value</li> </ul> | V | 24 |

#### Auxiliary circuit:

|                                              |  |     |
|----------------------------------------------|--|-----|
| Product extension Auxiliary switch           |  | Yes |
| Number of NC contacts for auxiliary contacts |  | 1   |
| Number of NO contacts for auxiliary contacts |  | 1   |
| Number of CO contacts for auxiliary contacts |  | 0   |

#### Inputs/ Outputs:

|                          |  |   |
|--------------------------|--|---|
| Number of digital inputs |  | 0 |
|--------------------------|--|---|

#### Short-circuit:

|                                                                            |    |                  |
|----------------------------------------------------------------------------|----|------------------|
| Product function Short circuit protection                                  |    | Yes              |
| Design of short-circuit protection                                         |    | circuit-breakers |
| Maximum short-circuit current breaking capacity (Icu) at 400 V rated value | kA | 50               |

#### Inputs/ Outputs:

|                                                                                            |    |                  |
|--------------------------------------------------------------------------------------------|----|------------------|
| Mounting position                                                                          |    | horizontal       |
| Mounting type                                                                              |    | snap-on mounting |
| Width                                                                                      | mm | 100              |
| Height                                                                                     | mm | 220              |
| Depth                                                                                      | mm | 125              |
| Required spacing                                                                           |    |                  |
| <ul style="list-style-type: none"> <li>• with side-by-side mounting at the side</li> </ul> | mm | 0                |
| <ul style="list-style-type: none"> <li>• for grounded parts</li> </ul>                     |    |                  |
| — forwards                                                                                 | mm | 10               |
| — Backwards                                                                                | mm | 0                |
| — upwards                                                                                  | mm | 30               |
| — at the side                                                                              | mm | 9                |
| <ul style="list-style-type: none"> <li>• for live parts</li> </ul>                         |    |                  |
| — forwards                                                                                 | mm | 10               |

- Backwards
- downwards
- at the side

|    |    |
|----|----|
| mm | 9  |
| mm | 0  |
| mm | 30 |

#### Connections/ Terminals:

|                                                        |                                            |
|--------------------------------------------------------|--------------------------------------------|
| Type of electrical connection for main current circuit | screw-type terminals                       |
| Certificate 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 |
|--------------------------|--------------------------------|---------------------------|-------------------|
|--------------------------|--------------------------------|---------------------------|-------------------|



| Shipping Approval | other |
|-------------------|-------|
|-------------------|-------|



[Umweltbestätigung](#)

[Bestätigungen](#)

#### Further information

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

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

**Industry Mall (Online ordering system)**

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

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA1225-1CR16-0BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA1225-1CR16-0BB4>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA1225-1CR16-0BB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA1225-1CR16-0BB4&lang=en)

last modified:

10/07/2016