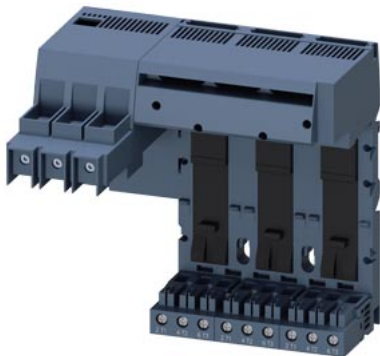




Infeed left Connection main circuit: screw terminal 3 slots for compact load feeders Connection terminal maximum 50 mm<sup>2</sup> / 70 mm<sup>2</sup>

| General technical data                                                                                   |     |                                                                                      |
|----------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------|
| product brand name                                                                                       |     | SIRIUS                                                                               |
| product designation                                                                                      |     | infeed left                                                                          |
| protection class IP on the front according to IEC 60529                                                  |     | IP20; IP20 with box terminal/cover                                                   |
| touch protection on the front according to IEC 60529                                                     |     | Finger-safe, for vertical contact                                                    |
| degree of pollution                                                                                      |     | 3                                                                                    |
| number of slots for compact feeder                                                                       |     | 3                                                                                    |
| installation altitude at height above sea level maximum                                                  | m   | 2 000                                                                                |
| ambient temperature                                                                                      |     |                                                                                      |
| • during transport                                                                                       | °C  | -55 ... +80                                                                          |
| • during storage                                                                                         | °C  | -55 ... +80                                                                          |
| • during operation                                                                                       | °C  | -20 ... +60                                                                          |
| vibration resistance                                                                                     |     | f = 4 ... 5.8 Hz; d = 15 mm; f = 5.8 ... 500 Hz; a = 2 m/s <sup>2</sup> ; 10 cycles  |
| shock resistance                                                                                         |     | Semi-sinusoidal a = 6 m/s <sup>2</sup> at 10 ms; 3 pos. and 3 neg. Shock in all axes |
| reference code                                                                                           |     |                                                                                      |
| • according to IEC 81346-2                                                                               |     | W                                                                                    |
| • according to EN 61346-2                                                                                |     | W                                                                                    |
| Main circuit                                                                                             |     |                                                                                      |
| operational current at AC at 400 V rated value                                                           | A   | 100                                                                                  |
| operating voltage at AC-3 rated value maximum                                                            | V   | 690                                                                                  |
| Installation/ mounting/ dimensions                                                                       |     |                                                                                      |
| fastening method                                                                                         |     | screw and snap-on mounting                                                           |
| width                                                                                                    | mm  | 205                                                                                  |
| height                                                                                                   | mm  | 197                                                                                  |
| depth                                                                                                    | mm  | 155                                                                                  |
| Connections/ Terminals                                                                                   |     |                                                                                      |
| type of electrical connection for main current circuit                                                   |     | screw-type terminals                                                                 |
| design of screw-type connection for main contacts                                                        |     | M3                                                                                   |
| stripped length for main contacts                                                                        | mm  | 17                                                                                   |
| tightening torque for main contacts with screw-type terminals                                            | N·m | 6 ... 8                                                                              |
| type of connectable conductor cross-sections for supply for main contacts using the upper clamping point |     |                                                                                      |
| • solid                                                                                                  |     | 2.5 ... 70 mm <sup>2</sup>                                                           |
| • stranded                                                                                               |     | 2.5 ... 70 mm <sup>2</sup>                                                           |
| • finely stranded with core end processing                                                               |     | 2.5 ... 35 mm <sup>2</sup>                                                           |
| • finely stranded without core end processing                                                            |     | 4 ... 50 mm <sup>2</sup>                                                             |
| type of connectable conductor cross-sections for supply                                                  |     |                                                                                      |

|                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>for main contacts using the lower clamping point</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul>                                                                                                                                        |  | 2.5 ... 70 mm <sup>2</sup><br>2.5 ... 70 mm <sup>2</sup><br>2.5 ... 50 mm <sup>2</sup><br>10 ... 50 mm <sup>2</sup>                            |
| <b>type of connectable conductor cross-sections for supply for main contacts using both clamping points</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul>                                                                                    |  | 2 x (2.5 ... 50 mm <sup>2</sup> )<br>2 x (2.5 ... 50 mm <sup>2</sup> )<br>2 x (2.5 ... 35 mm <sup>2</sup> )<br>2 x (4 ... 35 mm <sup>2</sup> ) |
| <b>type of connectable conductor cross-sections for AWG cables</b> <ul style="list-style-type: none"> <li>• for supply for main contacts using the upper clamping point</li> <li>• for supply for main contacts using the lower clamping point</li> <li>• for supply for main contacts using both clamping points</li> <li>• for main contacts for load-side outgoing feeder</li> </ul> |  | 10 ... 2/0<br>10 ... 2/0<br>2 x (10 ... 1/0)<br>2 x (16 ... 10), 1 x (16 ... 8)                                                                |

#### Certificates/ approvals

| General Product Approval | EMV | Test Certificates |
|--------------------------|-----|-------------------|
|--------------------------|-----|-------------------|



[Type Test Certificates/Test Report](#)

| Maritime application | other | Environment |
|----------------------|-------|-------------|
|----------------------|-------|-------------|



[Confirmation](#)

[Confirmation](#)



[Environmental Confirmations](#)

#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

<https://www.siemens.com/ic10>

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA6813-8AB>

##### Cax online generator

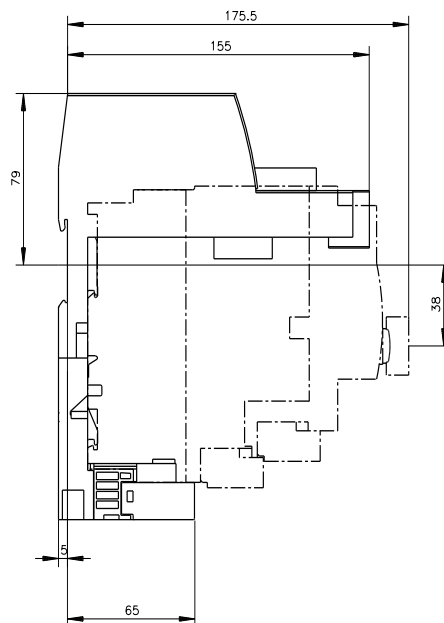
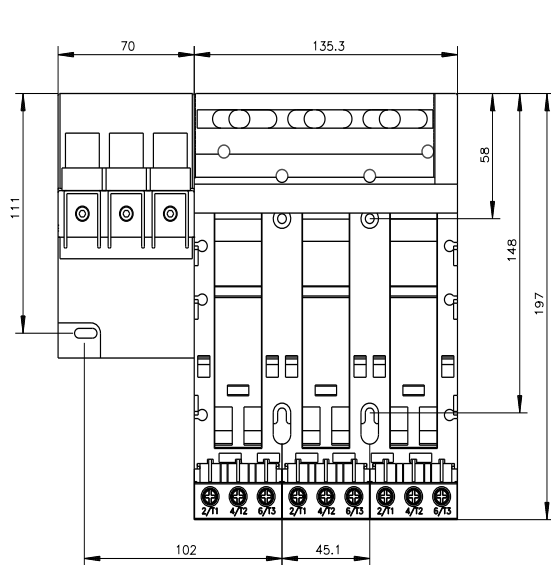
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA6813-8AB>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA6813-8AB>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA6813-8AB&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA6813-8AB&lang=en)



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