

For Use in the Control Cabinet

SIRIUS 3RA6 Compact Feeders

Infeed systems for 3RA6

① Infeed

The 3-phase infeed is available with screw connection (25/35 mm² up to 63 A or 50/70 mm² up to 100 A) and spring-type connection (25/35 mm² up to 63 A).

The infeed with spring-type terminal can be fitted on the left as well on as the right to an expansion module.

The infeed with screw terminal is supplied only with a 3-socket expansion module and permanently fitted on the left side.

The infeeds with screw connection enable connection of the main conductors (L1, L2, L3) either from above or from below.

The infeed with screw connection is supplied complete with 1 end cover, the infeed with spring-type connection complete with 2 end covers.

② Three-socket expansion modules

The expansion module with 3 sockets for compact feeders is available with screw connection and with spring-type connection.

Expansion modules enable the infeed system to be expanded and can be fitted to each other in any number.

Two expansion modules are held together with the help of 2 connecting wedges and 1 expansion plug. These assembly parts are included in the scope of supply of the respective expansion module.

When the infeed system for 3RA6 is used, the compact feeders (plug-in modules) are easily assembled and disassembled even when live.

Optional possibilities:

- PE connection on motor outgoing side
- Outfeed for external auxiliary devices
- Connection to 3RV29 infeed system
- Integration of SIRIUS 3RV1 motor starter protectors size S0 (using 3RA68 90-0BA adapter)

③ Two-socket expansion modules

If only 2 instead of 3 additional sockets are required, then the 2-socket expansion module is the right choice. It has the same functionality as the 3-socket expansion module.

④ Expansion plug

Two expansion modules can be connected together using the expansion plug. Flexible expansion of the infeed system is thus possible.

⑤ PE infeeds

This module enables a PE cable to be connected.

The PE infeed can be ordered with screw connection and spring-type connection (35 mm²) and can be fitted on the right or left to the expansion block.

⑥ PE expansion plug

The PE expansion plug is inserted from below and enables two PE bars to be connected.

⑦ PE pick-off

The PE pick-off is available with screw connection and spring-type connection (6/10 mm²). It is snapped into the infeed system from below.

⑧ Connecting wedges

Two connecting wedges are used to hold together 2 expansion modules.

⑨ End covers

On the last expansion module of a row, the socket provided for the expansion plug can be covered by inserting the end cover.

⑩ 45 mm adapters for SIRIUS 3RV1 motor starter protectors

SIRIUS 3RV1 motor starter protectors size S0 with screw connection can be fitted to the adapter, enabling them to be plugged into the infeed system.

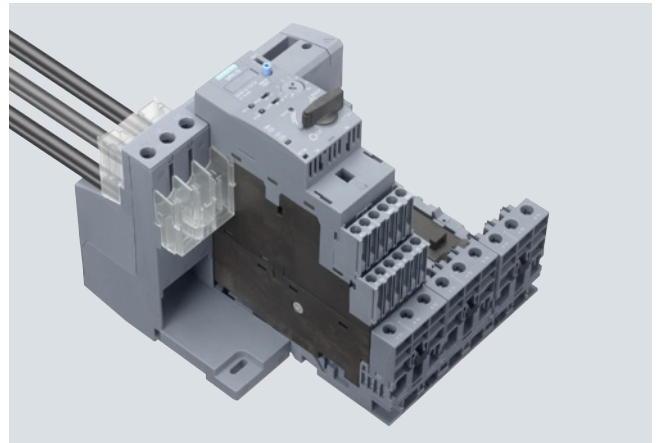
IP20 terminal covers for increasing finger-safety

Universally configured terminal covers are available for the 3-phase infeeds with screw connection 25/35 mm² and 50/70 mm²:

- 3RA68 80-2AB terminal covers for infeeds with screw connection 25/35 mm² (3RA68 12-8AB/AC)
- 3RA68 80-3AB terminal covers for infeed with screw connections 50/70 mm² (3RA68 13-8AB/AC)

The terminal covers can be used in two ways on the feeder terminals of the infeeds with screw connection 25/35 mm² and 50/70 mm² (see illustration):

- If the terminals are connected, the cables are also covered:
 - by approx. 14 mm with the 3RA68 80-2AB
 - by approx. 18 mm with the 3RA68 80-3AB
- On clamping points without connected cables, the covers can be turned once and then pushed over the clamping points for finger-safe covering of the metal parts.



Use of the 3RA68 80-2AB terminal cover on the infeed with screw connection 25/35 mm² (3RA68 12-8AB/AC). The upper cover increases the finger-safety for the connected conductors. The identical lower cover is turned for use and prevents touching of the voltage-carrying metal parts of the feeder terminal. For better recognition, the covers are shown as transparent in this illustration and not in their original color.

Terminal blocks

Using the terminal block the 3 phases can be fed out of the system; this means that single-phase, two-phase and three-phase components can also be integrated in the system.

After the end cover is pulled out, the terminal block can be plugged onto an expansion module.

Expansion plugs for SIRIUS 3RV29 infeed systems

After the end cover is pulled out, the expansion plug for the SIRIUS 3RV29 infeed system can be plugged onto an expansion module. It connects the infeed system for 3RA6 compact feeders with the SIRIUS 3RV29 infeed system.

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SIRIUS 3RA6 Compact Feeders

Infeed systems for 3RA6

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Configurator						

Expansion modules



3RA68 22-0AB

Two-socket expansion modules

with screw or spring-type connection and integrated PE bar

with 2 sockets for 2 direct-on-line starters or 1 reversing starter

Expansion plug and 2 connecting wedges are included in the scope of supply.

- Screw terminals

A

Screw terminals

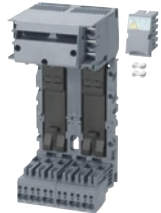


3RA68 22-0AB

1

1 unit

42F



3RA68 22-0AC

- Spring-type terminals

A

Spring-type terminals



3RA68 22-0AC

1

1 unit

42F



3RA68 23-0AB

Three-socket expansion modules

with screw or spring-type connection and integrated PE bar

with 3 sockets for 3 direct-on-line starters or 1 direct-on-line starter and 1 reversing starter

Expansion plug and 2 connecting wedges are included in the scope of supply.

- Screw terminals

A

Screw terminals

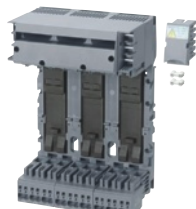


3RA68 23-0AB

1

1 unit

42F



3RA68 23-0AC

- Spring-type terminals

A

Spring-type terminals



3RA68 23-0AC

1

1 unit

42F

For online configurator see www.siemens.com/sirius/configurators.