

Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors/Circuit Breakers up to 80 A Accessories

Busbar accessories

Overview

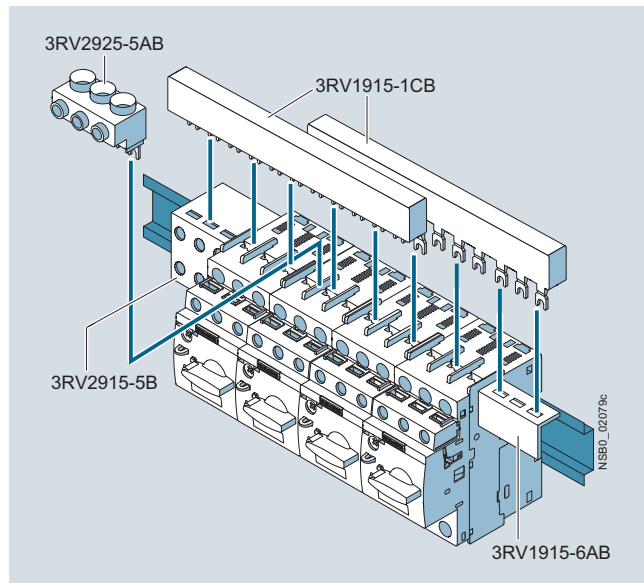
Insulated three-phase busbar system

Three-phase busbar systems provide an easy, time-saving and clearly arranged means of feeding 3RV2 motor starter protector/circuit breakers with screw terminals. Different versions are available for sizes S00 to S2 and can be used for the various different types of motor starter protectors/circuit breakers (size S0 up to 32 A).

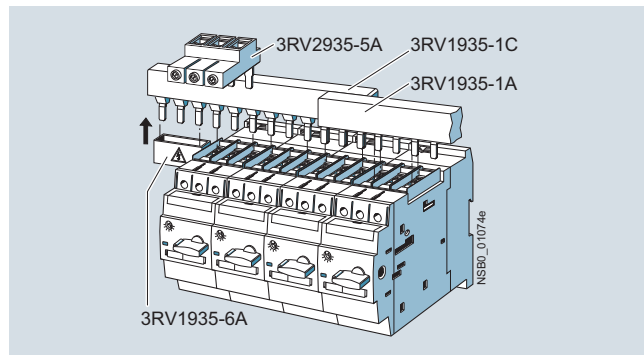
The 3RV1915 and 3RV1935 three-phase busbar systems are generally unsuitable for the 3RV21 motor starter protectors for motor protection with overload relay function and 3RV27 and 3RV28 circuit breakers according to UL 489/CSA C22.2 No. 5.

The busbars are suitable for between two and five motor starter protectors/circuit breakers. However, any kind of extension is possible by clamping the tags of an additional busbar (rotated by 180°) underneath the terminals of the respective last motor starter protector/circuit breaker.

A combination of motor starter protectors/circuit breakers of size S00 and S0 is possible. The motor starter protectors/circuit breakers are supplied by appropriate infeed terminals.



SIRIUS three-phase busbar system size S00/S0



SIRIUS three-phase busbar system size S2

The three-phase busbar systems are finger-safe. They are designed for any short-circuit stress which can occur at the output side of connected motor starter protectors/circuit breakers.

The three-phase busbar systems can also be used to construct "Type E Starters" according to UL/CSA. Special infeed terminals must be used for this purpose, however (see "Selection and Ordering Data", page 7/35).

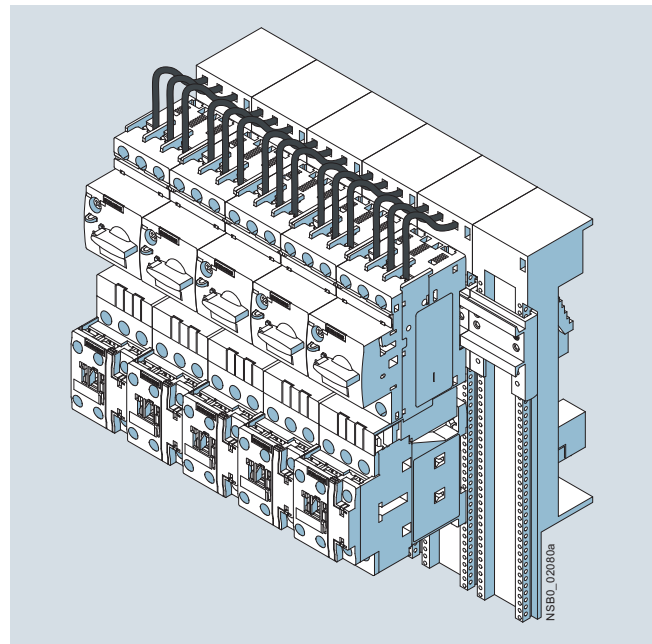
8US busbar adapters for 60 mm systems

The motor starter protectors/circuit breakers are mounted directly with the aid of busbar adapters on busbar systems with 60 mm center-to-center clearance in order to save space and to reduce infeed times and costs.

The busbar adapters for busbar systems with 60 mm center-to-center clearance are suitable for copper busbars with a width of 12 mm to 30 mm. The busbars can be 5 mm or 10 mm thick.

The motor starter protectors/circuit breakers are snapped onto the adapter and connected on the line side. This prepared unit is then plugged directly onto the busbar system, and is thus connected both mechanically and electrically at the same time.

For further busbar adapters for snap-mounting direct-on-line starters and reversing starters as well as additional accessories such as line terminals and outgoing terminals, flat copper profile, etc., see [Catalog LV 10 "Low-Voltage Power Distribution and Electrical Installation Technology"](#).



SIRIUS load feeders with busbar adapters snapped onto busbars

Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors/Circuit Breakers up to 80 A

Accessories

Busbar accessories

Selection and ordering data

	Modular spacing	Number of motor starter protectors that can be connected			Rated current I_n at 690 V	For motor starter protectors	DT	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
		Without lateral accessories	With lateral auxiliary switch	With auxiliary release								
	mm				A	Size						
Three-phase busbars¹⁾												
For feeding several motor starter protectors with screw terminals, mounted side by side on standard mounting rails, insulated, with touch protection												
 3RV1915-1AB	45 ³⁾	2	--	--	63	S00, S0 ²⁾	▶	3RV1915-1AB		1	1 unit	41E
		3	--	--	63	S00, S0 ²⁾	▶	3RV1915-1BB		1	1 unit	41E
		4	--	--	63	S00, S0 ²⁾	▶	3RV1915-1CB		1	1 unit	41E
		5	--	--	63	S00, S0 ²⁾	▶	3RV1915-1DB		1	1 unit	41E
 3RV1915-1BB	55 ⁴⁾	--	2	--	63	S00, S0 ²⁾	▶	3RV1915-2AB		1	1 unit	41E
		--	3	--	63	S00, S0 ²⁾	▶	3RV1915-2BB		1	1 unit	41E
		--	4	--	63	S00, S0 ²⁾	▶	3RV1915-2CB		1	1 unit	41E
		--	5	--	63	S00, S0 ²⁾	▶	3RV1915-2DB		1	1 unit	41E
 3RV1915-1CB		2	--	--	108	S2	▶	3RV1935-1A		1	1 unit	41E
		3	--	--	108	S2	▶	3RV1935-1B		1	1 unit	41E
		4	--	--	108	S2	▶	3RV1935-1C		1	1 unit	41E
 3RV1915-1DB	63 ⁵⁾	--	--	2	63	S00, S0 ²⁾	▶	3RV1915-3AB		1	1 unit	41E
		--	--	4	63	S00, S0 ²⁾	▶	3RV1915-3CB		1	1 unit	41E
	75 ⁵⁾	--	2	2	108	S2	▶	3RV1935-3A		1	1 unit	41E
		--	3	3	108	S2	▶	3RV1935-3B		1	1 unit	41E
		--	4	4	108	S2	▶	3RV1935-3C		1	1 unit	41E

1) Not suitable for 3RV21 motor starter protectors for motor protection with overload relay function and for 3RV27 and 3RV28 circuit breakers according to UL 489/CSA C22.2 No. 5.

2) Approved for motor starter protectors size S0 with $I_n \leq 32$ A.

3) For 3RV2 motor starter protectors without accessories mounted on the side.

4) For 3RV2 motor starter protectors with auxiliary switches with 1 NO + 1 NC, 2 NO and 2 NC mounted on the left (9 mm wide).

5) For 3RV2 motor starter protectors with mounted accessories (18 mm wide). Auxiliary switches with 2 NO + 2 NC or signaling switch (mounted on the left) or with auxiliary release (mounted on the right).

	Conductor cross-section			Tightening torque	For motor starter protectors/circuit breakers	DT	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
	Solid or stranded	Finely stranded with end sleeve	AWG cables, solid or stranded								
	mm ²	mm ²	AWG	Nm	Size						
Three-phase infeed terminals											
 3RV2925-5AB	Connection from top										
	2.5 ... 25	2.5 ... 16	10 ... 4	3 ... 4	S00, S0	▶	3RV2925-5AB		1	1 unit	41E
	2 x (2.5 ... 50) ¹⁾	2 x (2.5 ... 35) ¹⁾	2 x (10 ... 1/0) ¹⁾	4 ... 6	S2 NEW	A	3RV2935-5A		1	1 unit	41E
	1 x (2.5 ... 70) ¹⁾	1 x (2.5 ... 50) ¹⁾	1 x (10 ... 2/0) ¹⁾								
 3RV2935-5A	Connection from below										
	This terminal is connected in place of a switch, please take the space requirement into account.										
 3RV2915-5B	2.5 ... 25	2.5 ... 16	10 ... 4	Input: 4, Output: 2 ... 2.5	S00, S0	▶	3RV2915-5B		1	1 unit	41E
Three-phase infeed terminals for constructing "Type E Starters"											
 3RV2925-5EB	Connection from top										
	2.5 ... 25	2.5 ... 16	10 ... 4	3 ... 4	S00, S0	A	3RV2925-5EB		1	1 unit	41E
	2 x (2.5 ... 50) ¹⁾	2 x (2.5 ... 35) ¹⁾	2 x (10 ... 1/0) ¹⁾	4 ... 6	S2 NEW	A	3RV2935-5E		1	1 unit	41E
	1 x (2.5 ... 70) ¹⁾	1 x (2.5 ... 50) ¹⁾	1 x (10 ... 2/0) ¹⁾								
 3RV2935-5E											

Three-phase infeed terminals for constructing "Type E Starters"

 3RV2925-5EB	Connection from top										
	2.5 ... 25	2.5 ... 16	10 ... 4	3 ... 4	S00, S0	A	3RV2925-5EB		1	1 unit	41E
	2 x (2.5 ... 50) ¹⁾	2 x (2.5 ... 35) ¹⁾	2 x (10 ... 1/0) ¹⁾	4 ... 6	S2 NEW	A	3RV2935-5E		1	1 unit	41E
	1 x (2.5 ... 70) ¹⁾	1 x (2.5 ... 50) ¹⁾	1 x (10 ... 2/0) ¹⁾								
 3RV2935-5E											

1) If two different conductor cross-sections are connected to one clamping point, both cross-sections must be in the range specified.