

Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors/Circuit Breakers

Accessories

Busbar accessories

Overview

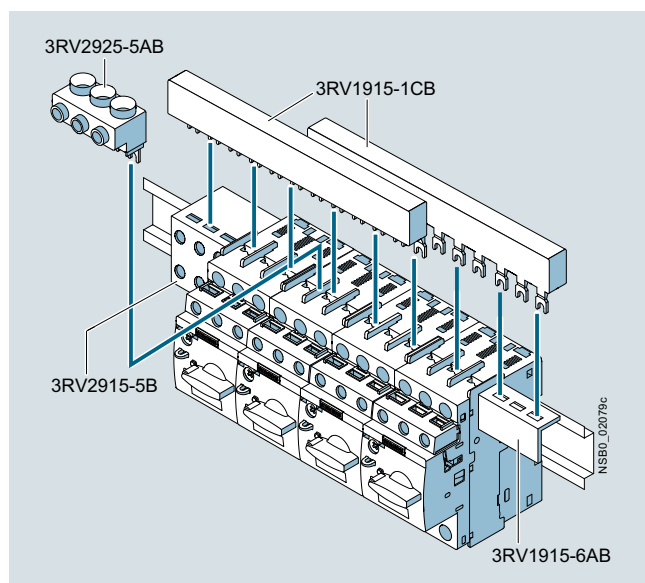
Insulated three-phase busbar system

Three-phase busbar systems provide an easy, time-saving and clearly arranged means of feeding 3RV2 motor starter protectors/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).

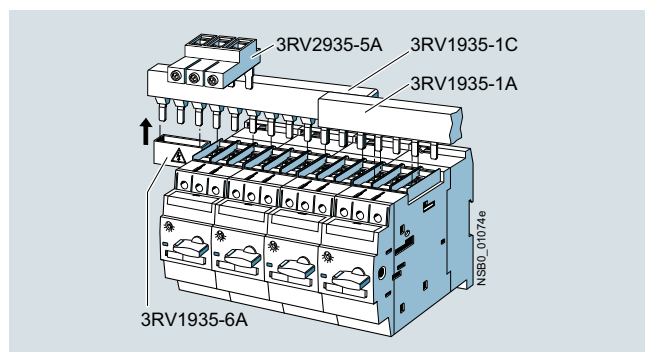
The 3RV1915 and 3RV1935 three-phase busbar systems are generally unsuitable for the 3RV21 motor starter protectors for motor protection with overload relay function and 3RV27 and 3RV28 circuit breakers according to UL 489/CSA C22.2 No. 5.

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 7/48).

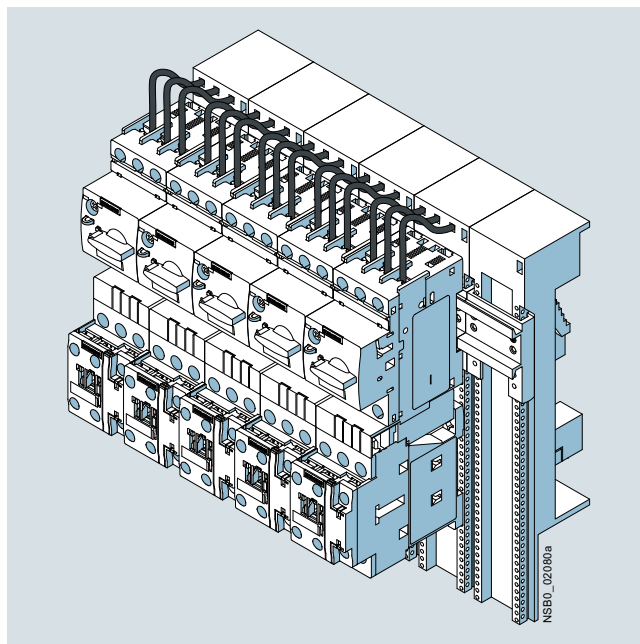
8US busbar adapters for 60 mm systems

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.

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](#).



SIRIUS load feeders with busbar adapters snapped onto busbars





Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors/Circuit Breakers

Accessories

Busbar accessories

Selection and ordering data

	Modular spacing mm	Number of motor starter protectors that can be connected			Rated current I_n at 690 V A	For motor starter protectors/circuit breakers Size	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
		Without lateral accessories	With lateral auxiliary switch	Incl. auxiliary release								
Three-phase busbars¹⁾												
 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
		<hr/>										
 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	63 ⁵⁾	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	75 ⁵⁾	--	--	2	63	S00, S0 ²⁾	▶	3RV1915-3AB		1	1 unit	41E
		--	--	4	63	S00, S0 ²⁾	▶	3RV1915-3CB		1	1 unit	41E
		--	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).




Version	Modular spacing mm	For motor starter protectors/circuit breakers Size	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
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Connecting pieces for three-phase busbars

 3RV1915-5DB	For connecting three-phase busbars for motor starter protectors of size S0 (left) to size S00 (right)	45	S00, S0	▶	3RV1915-5DB		1	1 unit	41E
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Conductor cross-section Solid or stranded	Finely stranded with end sleeve		AWG cables, solid or stranded AWG	Tightening torque Nm	For motor starter protectors/circuit breakers Size	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
	mm ²	mm ²									

Three-phase infeed terminals

 3RV2925-5AB	Connection from top											
	2.5 ... 25	4 ... 16	10 ... 4	4	S00 ²⁾	▶	3RV1915-5A		1	1 unit	41E	
	2.5 ... 25	2.5 ... 16	10 ... 4	3 ... 4	S00, S0	▶	3RV2925-5AB		1	1 unit	41E	
 3RV2935-5A	2 x (2.5 ... 50) ¹⁾	2 x (2.5 ... 35) ¹⁾	2 x (10 ... 1/0) ¹⁾	4 ... 6	S2	▶	3RV2935-5A		1	1 unit	41E	
	1 x (2.5 ... 70) ¹⁾	1 x (2.5 ... 50) ¹⁾	1 x (10 ... 2/0) ¹⁾									
 3RV2915-5B	Connection from below											
	Terminal is connected in place of a switch, take space requirement into account											
	2.5 ... 25	2.5 ... 16	10 ... 4	Input: 4, output: 2 ... 2.5	S00, S0	▶	3RV2915-5B		1	1 unit	41E	

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

²⁾ For 3RV1011.