


Selection and ordering data
Conversion aid 3RB or 3RB20 → 3RB20 or 30

Size	Old Order No.	Setting range A	New Order No.	Setting range A
S00	3RB20 16-□RB0	0.1 ... 0.4	3RB30 16-□RB0	0.1 ... 0.4
	3RB20 16-□NB0	0.32 ... 1.25	3RB30 16-□NB0	0.32 ... 1.25
	3RB20 16-□PB0	1 ... 4	3RB30 16-□PB0	1 ... 4
	3RB20 16-□SB0	3 ... 12	3RB30 16-□SB0	3 ... 12
S0	3RB20 26-□RB0	0.1 ... 0.4	3RB30 26-□RB0	0.1 ... 0.4
	3RB20 26-□NB0	0.32 ... 1.25	3RB30 26-□NB0	0.32 ... 1.25
	3RB20 26-□PB0	1 ... 4	3RB30 36-□PB0	1 ... 4
	3RB20 26-□SB0	3 ... 12	3RB30 26-□SB0	3 ... 12
	3RB20 26-□QB0	6 ... 25	3RB30 26-□QB0	6 ... 25
S2	3RB10 36-□QB0	6 ... 25	3RB20 36-□QB0	6 ... 25
	3RB10 36-□UB0	13 ... 50	3RB20 36-□UB0	12.5 ... 50
S3	3RB10 46-□UB0	13 ... 50	3RB20 46-□UB0	12.5 ... 50
	3RB10 46-□EB0	25 ... 100	3RB20 46-□EB0	25 ... 100
S6	3RB10 56-□FW0	50 ... 200	3RB20 56-□FW2	50 ... 200
	3RB10 56-□FG0	50 ... 200	3RB20 56-□FC2	50 ... 200
S10/S12	3RB10 66-□GG0	55 ... 250	3RB20 66-□GC2	55 ... 250
	3RB10 66-□KG0	200 ... 540		
	3RB10 66-□LG0	300 ... 630	3RB20 66-□MC2	160 ... 630

 CLASS 10
 CLASS 20

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Conversion aid 3RB10 / 21 → 3RB21 / 31

Size	Old Order No.	Setting range A	New Order No.	Setting range A
S00	3RB21 13-□RB0	0.1 ... 0.4	3RB31 13-4RB0	0.1 ... 0.4
	3RB21 13-□NB0	0.4 ... 1.6	3RB31 13-4NB0	0.32 ... 1.25
	3RB21 13-□PB0	1.5 ... 6	3RB31 13-4PB0	1 ... 4
	3RB21 13-□SB0	3 ... 12	3RB31 13-4SB0	3 ... 12
S0	3RB21 23-□RB0	0.1 ... 0.4	3RB31 23-RB0	0.1 ... 0.4
	3RB21 23-□NB0	0.32 ... 1.25	3RB31 23-NB0	0.32 ... 1.25
	3RB21 23-□PB0	1 ... 4	3RB31 23-PB0	1 ... 4
	3RB21 23-□SB0	3 ... 12	3RB31 23-4SB0	3 ... 12
S2	3RB10 36-□QB0	6 ... 25	3RB21 33-4QB0	6 ... 25
	3RB10 36-□UB0	13 ... 50	3RB21 33-4UB0	12.5 ... 50
S3	3RB10 46-□UB0	13 ... 50	3RB21 43-4UB0	12.5 ... 50
	3RB10 46-□EB0	25 ... 100	3RB21 43-4EB0	25 ... 100
S6	3RB10 56-□FW0	50 ... 200	3RB21 53-4FW2	50 ... 200
	3RB10 56-□FG0	50 ... 200	3RB21 53-4FC2	50 ... 200
S10/S12	3RB10 66-□GG0	55 ... 250	3RB21 63-4GC2	55 ... 250
	3RB10 66-□KG0	200 ... 540		
	3RB10 66-□LG0	300 ... 630	3RB21 63-4MC2	160 ... 630

 CLASS 10
 CLASS 20

 1
 2

Note:

 CLASS 5, 10, 20 and 30
 can be set on the unit

Overload Relays

3RB2 / 3RB3 Solid-State Overload Relays

3RB20, 3RB21, 3RB30, 3RB31 up to 630A
for standard applications







SIRIUS



3RB20 solid-state overload relays and stand-alone installation²⁾³⁾, CLASS 10 or CLASS 20 for direct mounting¹⁾²⁾

Features and technical specifications:

- Overload protection, phase failure protection and unbalance protection
- Internal power supply
- Auxiliary contacts 1 NO + 1 NC
- Manual and automatic RESET
- Switch position indicator
- TEST function and self-monitoring

	Size Contactor ⁴⁾	Set current value of the inverse-time delayed overload trip		Screw Terminal Order Number	Spring Loaded Terminal Order Number	Weight per PU approx. kg
Size S00¹⁾						
	S00	0.1 ... 0.4		3RB30 16-□RB0	3RB30 16-□RE0	0.172
		0.32 ... 1.25		3RB30 16-□NB0	3RB30 16-□NE0	0.172
		1 ... 4		3RB30 16-□PB0	3RB30 16-□PE0	0.172
		3 ... 12		3RB30 16-□SB0	3RB30 16-□SE0	0.172
		4 ... 16		3RB30 16-□TB0	3RB30 16-□TE0	0.172
Size S0¹⁾						
	S0	0.1 ... 0.4		3RB30 26-□RB0	3RB30 26-□RE0	0.250
		0.32 ... 1.25		3RB30 26-□NB0	3RB30 26-□NE0	0.250
		1 ... 4		3RB30 26-□PB0	3RB30 26-□PE0	0.250
		3 ... 12		3RB30 26-□SB0	3RB30 26-□SE0	0.250
		6 ... 25		3RB30 26-□QB0	3RB30 26-□QE0	0.250
		10 ... 40		3RB30 26-□VB0	3RB30 26-□VE0	0.250
Size S2¹⁾³⁾⁵⁾						
	S2	6 ... 25	with pass through CT's	3RB20 36-□QB0	3RB20 36-□QD0	0.360
				3RB20 36-□QW1	3RB20 36-□QX1	0.230
		12.5 ... 50	with pass through CT's	3RB20 36-□UB0	3RB20 36-□UD0	0.360
				3RB20 36-□UW1	3RB20 36-□UX1	0.230
Size S3¹⁾³⁾⁵⁾						
	S3	12.5 ... 50	with busbar	3RB20 46-□UB0	3RB20 46-□UD0	0.560
		25 ... 100	with busbar	3RB20 46-□EB0	3RB20 46-□ED0	0.560
			with pass through CT's	3RB20 46-□EW1	3RB20 46-□EX1	0.450
Size S6²⁾⁵⁾						
	S6	50 ... 200	with busbar	3RB20 56-□FC2	3RB20 56-□FF2	1.030
			with pass through CT's	3RB20 56-□FW2	3RB20 56-□FX2	0.690
Size S10/S12²⁾						
	S10/S12 and size 14 (3TF68/3TF69)	55 ... 250	with busbar	3RB20 66-□GC2	3RB20 66-□GF2	1.820
		160 ... 630	with busbar	3RB20 66-□MC2	3RB20 66-□MF2	1.820
				2 Class 20	2 Class 20	
				1 Class 10	1 Class 10	

1) The relays with an Order No. ending with "0" are designed for direct mounting to the contactor. With the matching terminal brackets (see Accessories) the sizes S00 and S0 can also be installed as stand-alone units.

2) The relays with an Order No. ending with "2" are designed for direct mounting and stand-alone installation. For 3TF68/3TF69 contactors, direct mounting is not possible.

3) The relays with an Order No. ending with "1" are designed for stand-alone installation.

4) Observe maximum rated operational current of the devices.

5) The relays with an Order No. with "W" in 11th position are equipped with a straight-through transformer.

For accessories, see pages 3/49-3/50.

For description, see pages 3/18-3/20.

For technical data, see pages 3/24-3/29.

For dimension drawings, see page 3/30.

For schematic diagrams, see page 3/31.