







Selection and ordering data

3RB20 solid-state overload relays with screw terminals on auxiliary current side for direct mounting¹⁾²⁾ and stand-alone installation²⁾³⁾, CLASS 10

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 of contactor ⁴⁾	Rating for induction motor Rated value ⁵⁾	Set current value of the inverse-time delayed overload release	Short-circuit protection with fuse, type of coordination 2, gL/gG operational class ⁶⁾	Screw terminals (on auxiliary current side) Order No.	Weight per PU approx. kg
Size S00¹⁾						
	S00	0.04 ... 0.09	0.1 ... 0.4	1	3RB20 16-1RB0	0.200
		0.12 ... 0.37	0.32 ... 1.25	2	3RB20 16-1NB0	0.200
		0.55 ... 1.5	1 ... 4	10	3RB20 16-1PB0	0.200
		1.1 ... 5.5	3 ... 12	20	3RB20 16-1SB0	0.200
Size S0¹⁾						
	S0	0.04 ... 0.09	0.1 ... 0.4	1	3RB20 26-1RB0	0.220
		0.12 ... 0.37	0.32 ... 1.25	2	3RB20 26-1NB0	0.220
		0.55 ... 1.5	1 ... 4	10	3RB20 26-1PB0	0.220
		1.1 ... 5.5	3 ... 12	20	3RB20 26-1SB0	0.220
		3 ... 11	6 ... 25	35	3RB20 26-1QB0	0.220
Size S2¹⁾³⁾⁷⁾						
	S2	3 ... 11	6 ... 25	63	3RB20 36-1QB0	0.360
		7.5 ... 22	12.5 ... 50	80	3RB20 36-1QW1 3RB20 36-1UB0 3RB20 36-1UW1	0.230 0.360 0.230
Size S3¹⁾³⁾⁷⁾						
	S3	7.5 ... 22	12.5 ... 50	160	3RB20 46-1UB0	0.560
		11 ... 45	25 ... 100	315	3RB20 46-1EB0 3RB20 46-1EW1	0.560 0.450
Size S6²⁾⁷⁾						
	S6 with busbar connection S6 with box terminals	22 ... 90	50 ... 200	315	3RB20 56-1FC2	1.030
					3RB20 56-1FW2	0.690
Size S10/S12²⁾						
	S10/S12 and size 14 (3TF68/3TF69)	22 ... 110	55 ... 250	400	3RB20 66-1GC2	1.820
		90 ... 450	160 ... 630	800	3RB20 66-1MC2	1.820

1) The relays with an Order No. ending with "0" are designed for direct mounting. With the matching terminal brackets (see "Accessories", page 5/38), 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) Guide value for 4-pole standard motors at 50 Hz 400 V AC. The actual starting and rated data of the motor to be protected must be considered when selecting the units.

6) Maximum fuse for overload relay, type of coordination 2.

7) The relays with an Order No. with "W" in penultimate position are equipped with a straight-through transformer.