







Selection and ordering data

3RU11 thermal overload relays with screw-type terminals for mounting onto contactor¹⁾, CLASS 10

Features and technical characteristics

- Auxiliary contacts: 1 NO + 1 NC
- Manual/automatic RESET
- Switching position indication
- TEST function
- STOP button
- Phase failure sensitivity
- Integrated, sealable cover
- CLASS 10

For 3RT1 contactor	Setting range	for mounting onto contactor ¹⁾	Weight approx		
Size	A	Order No.	List Price \$	kg	
Size S00					
	S00 (3RT101)	0.11 – 0.16	3RU11 16-0AB0	0.15	
		0.14 – 0.2	3RU11 16-0BB0		
		0.18 – 0.25	3RU11 16-0CB0		
		0.22 – 0.32	3RU11 16-0DB0		
			0.28 – 0.4	3RU11 16-0EB0	0.15
			0.35 – 0.5	3RU11 16-0FB0	
			0.45 – 0.63	3RU11 16-0GB0	
			0.55 – 0.8	3RU11 16-0HB0	
			0.7 – 1	3RU11 16-0JB0	0.15
			0.9 – 1.25	3RU11 16-0KB0	
			1.1 – 1.6	3RU11 16-1AB0	
			1.4 – 2	3RU11 16-1BB0	
		1.8 – 2.5	3RU11 16-1CB0	0.15	
		2.2 – 3.2	3RU11 16-1DB0		
		2.8 – 4	3RU11 16-1EB0		
		3.5 – 5	3RU11 16-1FB0		
		4.5 – 6.3	3RU11 16-1GB0	0.15	
		5.5 – 8	3RU11 16-1HB0		
		7 – 10	3RU11 16-1JB0		
		9 – 12	3RU11 16-1KB0		
Size S0					
	S0 (3RT102)	1.8 – 2.5	3RU11 26-1CB0	0.19	
		2.2 – 3.2	3RU11 26-1DB0		
		2.8 – 4	3RU11 26-1EB0		
		3.5 – 5	3RU11 26-1FB0		
			4.5 – 6.3	3RU11 26-1GB0	0.19
			5.5 – 8	3RU11 26-1HB0	
			7 – 10	3RU11 26-1JB0	
			9 – 12.5	3RU11 26-1KB0	
			11 – 16	3RU11 26-4AB0	0.19
			14 – 20	3RU11 26-4BB0	
		17 – 22	3RU11 26-4CB0		
		20 – 25	3RU11 26-4DB0		
Size S2					
	S2 (3RT103)	5.5 – 8	3RU11 36-1HB0	0.32	
		7 – 10	3RU11 36-1JB0		
		9 – 12.5	3RU11 36-1KB0		
			11 – 16	3RU11 36-4AB0	0.32
			14 – 20	3RU11 36-4BB0	
			18 – 25	3RU11 36-4DB0	
			22 – 32	3RU11 36-4EB0	
			28 – 40	3RU11 36-4FB0	0.32
			36 – 45	3RU11 36-4GB0	
			40 – 50	3RU11 36-4HB0	
Size S3					
	S3 (3RT104)	18 – 25	3RU11 46-4DB0	0.55	
		22 – 32	3RU11 46-4EB0		
			28 – 40	3RU11 46-4FB0	0.55
			36 – 50	3RU11 46-4HB0	
			45 – 63	3RU11 46-4JB0	
			57 – 75	3RU11 46-4KB0	
70 – 90			3RU11 46-4LB0		
		80 – 100 ²⁾	3RU11 46-4MB0	0.55	

1) The 3RU11 overload relays can also be panel mounted using the appropriate adapters (see Accessories).

2) Overload relay > 100 A, see 3RB2.

For accessories, see page 3/11.

For description, see page 3/8.

For technical data, see pages 3/12-3/15.

For circuit diagrams, see page 3/16.







For dimension drawings, see page 3/17.



3RB20 solid-state overload relays with screw connection on auxiliary current side for direct mounting¹⁾²⁾ and stand-alone installation²⁾³⁾, CLASS 10 or CLASS 20

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	Order No.	List Price \$	Weight per PU approx. kg
Size S00¹⁾					
	S00	0.1 ... 0.4	3RB20 16-1 RB0		0.200
		0.32 ... 1.25	3RB20 16-1 NB0		0.200
		1 ... 4	3RB20 16-1 PB0		0.200
		3 ... 12	3RB20 16-1 SB0		0.200
Size S0¹⁾					
	S0	0.1 ... 0.4	3RB20 26-1 RB0		0.220
		0.32 ... 1.25	3RB20 26-1 NB0		0.220
		1 ... 4	3RB20 26-1 PB0		0.220
		3 ... 12	3RB20 26-1 SB0		0.220
		6 ... 25	3RB20 26-1 QB0		0.220
Size S2¹⁾³⁾⁵⁾					
	S2	6 ... 25	3RB20 36-1 QB0		0.360
		12.5 ... 50	3RB20 36-1 QW1		0.230
			3RB20 36-1 UB0		0.360
			3RB20 36-1 UW1		0.230
Size S3¹⁾³⁾⁵⁾					
	S3	12.5 ... 50	3RB20 46-1 UB0		0.560
		25 ... 100	3RB20 46-1 EB0		0.560
			3RB20 46-1 EW1		0.450
		with busbar			
		with pass through CT's			
Size S6²⁾⁵⁾					
	S6	50 ... 200	with busbar	3RB20 56-1 FC2	1.030
			with pass through CT's	3RB20 56-1 FW2	0.690
Size S10/S12²⁾					
	S10/S12 and size 14 (3TF68/3TF69)	55 ... 250	3RB20 66-1 GC2		1.820
		160 ... 630	3RB20 66-1 MC2		1.820

2 Class 20

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 3/53-3/54.
 For description, see pages 3/19-3/21.
 For technical data, see pages 3/27-3/32.
 For dimension drawings, see page 3/33.
 For schematic diagrams, see page 3/34.