

Overload Relays

Thermal Overload Relays

3RU11, 3RU21 up to 100 A,
CLASS 10

• Revised •
04/20/15



Selection and ordering data

Features and technical characteristics

- Auxiliary contacts: 1 NO + 1 NC
- Manual/automatic RESET
- Switching position indication
- CLASS 10
- TEST function
- STOP button
- Phase failure sensitivity
- Sealable cover: optional in S00, S0 & S2. Integrated in S3

Ordering information

- Replace the (••) with the letter Number combination from the Terminal types I table
- Replace the (††) with the letter Number combination from the Terminal types II table
- For description, [see page 3/8](#)
- For technical data, [see pages 3/12-3/15](#)
- For circuit diagrams, [see page 3/15](#)
- For dimension drawings, [see page 3/16-3/17](#).

•• Terminal Types I			†† Terminal Types II		
Type	Mounting Type	Ltr	Type	Mounting Type	Ltr
Screw	Direct to Contactor	B0	Screw	Direct to Contactor	B0
Screw ¹⁾	Stand Alone	B1	Screw ⁴⁾	Stand Alone	B1
Spring ²⁾	Direct to Contactor	C0	Spring ³⁾	Direct to Contactor	D0
Spring ¹⁾²⁾	Stand Alone	C1	Spring ³⁾⁴⁾	Stand Alone	D1
Ring Lug	Direct to Contactor	J0			



3RU2116-1GB0



3RU2116-1GC0



3RU2126-4NB0



3RU2136-4RB1



3RU1146-4DB0

Thermal Overload Relays up to 40A Frame Size S00 and S0 ••

Setting Range	Order No.	Setting Range	Order No.	Weight approx. (screw/spring) kg
A		A		
Frame Size S00: For mounting directly to 3RT201 contactors or for stand-alone installation				
0.11 - 0.16	3RU2116-0A••	1.4 - 2	3RU2116-1B••	0.13/0.15
0.14 - 0.2	3RU2116-0B••	1.8 - 2.5	3RU2116-1C••	
0.18 - 0.25	3RU2116-0C••	2.2 - 3.2	3RU2116-1D••	
0.22 - 0.32	3RU2116-0D••	2.8 - 4	3RU2116-1E••	
0.28 - 0.4	3RU2116-0E••	3.5 - 5	3RU2116-1F••	0.13/0.15
0.35 - 0.5	3RU2116-0F••	4.5 - 6.3	3RU2116-1G••	
0.45 - 0.63	3RU2116-0G••	5.5 - 8	3RU2116-1H••	
0.55 - 0.8	3RU2116-0H••	7 - 10	3RU2116-1J••	
0.7 - 1	3RU2116-0J••	9 - 12.5	3RU2116-1K••	0.13/0.15
0.9 - 1.25	3RU2116-0K••	11 - 16	3RU2116-4A••	
1.1 - 1.6	3RU2116-1A••			
Frame Size S0: For mounting directly to 3RT202 contactors or for stand-alone installation				
1.8 - 2.5	3RU2126-1C••	11 - 16	3RU2126-4A••	0.16/0.22
2.2 - 3.2	3RU2126-1D••	14 - 20	3RU2126-4B••	
2.8 - 4	3RU2126-1E••	17 - 22	3RU2126-4C••	
3.5 - 5	3RU2126-1F••	20 - 25	3RU2126-4D••	
4.5 - 6.3	3RU2126-1G••	23 - 28	3RU2126-4N••	0.16/0.22
5.5 - 8	3RU2126-1H••	27 - 32	3RU2126-4E••	
7 - 10	3RU2126-1J••	30 - 36	3RU2126-4P••	
9 - 12.5	3RU2126-1K••	34 - 40	3RU2126-4F••	

Thermal Overload Relays up to 100A Frame Size S2 and S3 ††

Setting Range	Order No.	Setting Range	Order No.	Weight approx. (screw/spring) kg
A		A		
Frame Size S2: For mounting directly to 3RT203 contactors⁴⁾				
22 - 32	3RU2136-4E††	47 - 57	3RU2136-4Q††	0.34
28 - 40	3RU2136-4F††	54 - 65	3RU2136-4J††	
36 - 45	3RU2136-4G††	62 - 73	3RU2136-4K††	
40 - 50	3RU2136-4H††	70 - 80	3RU2136-4R††	
Frame Size S3: For mounting directly to 3RT104 contactors⁴⁾				
18 - 25	3RU1146-4D††	45 - 63	3RU1146-4J††	0.55
22 - 32	3RU1146-4E††	57 - 75	3RU1146-4K††	
28 - 40	3RU1146-4F††	70 - 90	3RU1146-4L††	
36 - 50	3RU1146-4H††	80 - 100	3RU1146-4M††	

- 1) Not available for size S0 3RU212 with current setting range below 14 A.
- 2) Size S00 and S0: main and auxiliary conductor terminals are spring-type.
- 3) Size S2 and S3 auxiliary terminals are spring-type only. Main conductor terminals are screw.
- 4) 3RU Overloads in S2 and S3 frame are available preassembled with a terminal bracket for standalone mounting. S2 and S3 overloads can also be customer assembled to the terminal bracket (see Accessories).