

Overload Relays

SIRIUS 3RU2 Thermal Overload Relays

3RU2 for standard applications **IE3/IE4 ready**

3RU21 thermal overload relays for stand-alone installation, sizes S00 and S0, CLASS 10

Features and technical specifications:

- Connection methods
Main and auxiliary circuit: Either screw or spring-type terminals
- Overload and phase failure protection
- Auxiliary contacts 1 NO + 1 NC
- Manual and automatic RESET

- Switch position indicator
- TEST function
- STOP button
- Sealable covers (optional accessory)

PU (UNIT, SET, M) = 1
PS* = 1 UNIT
PG = 41F



3RU2116-..B1





3RU2116-..C1



3RU2126-..B1



3RU2126-..C1

Size contactor	Trip class	Rated power for three-phase motors, rated value ¹⁾	Current setting value of the inverse-time delayed overload release	Short-circuit protection with fuse, type of coordination "2", operational class gG ²⁾	SD	Screw terminals 		Spring-type terminals 	
						Article No.	Price per PU	Article No.	Price per PU
Class	kW	A	A	d					
Size S00									
S00	10	0.04	0.11 ... 0.16	0.5	5	3RU2116-0AB1	5	3RU2116-0AC1	
	10	0.06	0.14 ... 0.2	1	5	3RU2116-0BB1	5	3RU2116-0BC1	
	10	0.06	0.18 ... 0.25	1	5	3RU2116-0CB1	5	3RU2116-0CC1	
	10	0.09	0.22 ... 0.32	1.6	5	3RU2116-0DB1	5	3RU2116-0DC1	
	10	0.09	0.28 ... 0.4	2	5	3RU2116-0EB1	5	3RU2116-0EC1	
	10	0.12	0.35 ... 0.5	2	5	3RU2116-0FB1	5	3RU2116-0FC1	
	10	0.18	0.45 ... 0.63	2	5	3RU2116-0GB1	5	3RU2116-0GC1	
	10	0.18	0.55 ... 0.8	4	5	3RU2116-0HB1	5	3RU2116-0HC1	
	10	0.25	0.7 ... 1	4	5	3RU2116-0JB1	5	3RU2116-0JC1	
	10	0.37	0.9 ... 1.25	4	5	3RU2116-0KB1	5	3RU2116-0KC1	
	10	0.55	1.1 ... 1.6	6	5	3RU2116-1AB1	5	3RU2116-1AC1	
	10	0.75	1.4 ... 2	6	5	3RU2116-1BB1	5	3RU2116-1BC1	
	10	0.75	1.8 ... 2.5	10	5	3RU2116-1CB1	5	3RU2116-1CC1	
	10	1.1	2.2 ... 3.2	10	5	3RU2116-1DB1	5	3RU2116-1DC1	
	10	1.5	2.8 ... 4	16	5	3RU2116-1EB1	5	3RU2116-1EC1	
	10	1.5	3.5 ... 5	20	5	3RU2116-1FB1	5	3RU2116-1FC1	
	10	2.2	4.5 ... 6.3	20	5	3RU2116-1GB1	5	3RU2116-1GC1	
	10	3	5.5 ... 8	25	5	3RU2116-1HB1	5	3RU2116-1HC1	
	10	4	7 ... 10	35	5	3RU2116-1JB1	5	3RU2116-1JC1	
	10	5.5	9 ... 12.5	35	5	3RU2116-1KB1	5	3RU2116-1KC1	
10	7.5	11 ... 16	40	5	3RU2116-4AB1	5	3RU2116-4AC1		
Size S0									
S0	10	7.5	14 ... 20	50	5	3RU2126-4BB1	5	3RU2126-4BC1	
	10	11	17 ... 22	63	5	3RU2126-4CB1	5	3RU2126-4CC1	
	10	11	20 ... 25	63	5	3RU2126-4DB1	5	3RU2126-4DC1	
	10	15	23 ... 28	63	5	3RU2126-4NB1	5	3RU2126-4NC1	
	10	15	27 ... 32	80	5	3RU2126-4EB1	5	3RU2126-4EC1	
	10	18.5	30 ... 36	80	5	3RU2126-4PB1	5	3RU2126-4PC1	
	10	18.5	34 ... 40	80	5	3RU2126-4FB1	5	3RU2126-4FC1	

¹⁾ 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.

²⁾ Maximum protection by fuse only for overload relays, type of coordination "2". For fuse values in connection with contactors, see [Configuration Manual](#).

Overload Relays

SIRIUS 3RU2 Thermal Overload Relays

IE3/IE4 ready 3RU2 for standard applications

3RU21 thermal overload relays for stand-alone installation, sizes S2 and S3, CLASS 10 or 10A

Features and technical specifications:

- Connection methods
 - Main circuit: Screw terminals with box terminal
 - Auxiliary circuit: Either screw or spring-type terminals
- Auxiliary contacts 1 NO + 1 NC
- Manual and automatic RESET
- Switch position indicator

- TEST function
- STOP button
- Sealable covers (optional accessory)

 PU (UNIT, SET, M) = 1
 PS* = 1 UNIT
 PG = 41F


3RU2136-.B1





3RU2136-.D1



3RU2146-.B1



3RU2146-.D1

Size contactor	Trip class	Rated power for three-phase motors, rated value ¹⁾	Current setting value of the inverse-time delayed overload release	Short-circuit protection with fuse, type of coordination "2", operational class gG ²⁾	SD	Screw terminals 		Spring-type terminals 		
						Article No.	Price per PU d	Article No.	Price per PU	
Size S2										
S2	10	15	22 ... 32	80	5	3RU2136-4EB1	5	3RU2136-4ED1		
		18.5	28 ... 40	80	5	3RU2136-4FB1	5	3RU2136-4FD1		
		22	36 ... 45	100	▶	3RU2136-4GB1	▶	3RU2136-4GD1		
	10	22	40 ... 50	100	▶	3RU2136-4HB1	▶	3RU2136-4HD1		
		30	47 ... 57	100	▶	3RU2136-4QB1	▶	3RU2136-4QD1		
		30	54 ... 65	125	▶	3RU2136-4JB1	▶	3RU2136-4JD1		
	10A	37	62 ... 73	160	▶	3RU2136-4KB1	▶	3RU2136-4KD1		
		37	70 ... 80	160	▶	3RU2136-4RB1	▶	3RU2136-4RD1		
	Size S3									
	S3	10	30	45 ... 63	125	1	3RU2146-4JB1	5	3RU2146-4JD1	
37			57 ... 75	160	1	3RU2146-4KB1	5	3RU2146-4KD1		
10		45	70 ... 90	160	1	3RU2146-4LB1	5	3RU2146-4LD1		
		45	80 ... 100 ³⁾	200	1	3RU2146-4MB1	X	3RU2146-4MD1		

¹⁾ 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.

²⁾ Maximum protection by fuse only for overload relays, type of coordination "2". For fuse values in connection with contactors, see [Configuration Manual](#).

³⁾ For overload relays > 100 A, see [3RB2 electronic overload relays, page 7/106 onwards](#).