

Overload Relays

SIRIUS 3RU2 Thermal Overload Relays

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

Selection and ordering data

3RU21 thermal overload relays for mounting onto contactor¹⁾, 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



3RU2116-4AB0



3RU2116-4AC0



3RU2126-4FB0



3RU2126-4AC0

Size con- tactor	Trip class	Rated power for three-phase motors, rated value ²⁾	Current setting value of the inverse-time delayed overload release	Short-circuit protection with fuse, type of coordination "2", operational class gG ³⁾	SD	Screw terminals		Spring-type terminals	
						Article No.	Price per PU d	Article No.	Price per PU
Class	kW	A	A	A	d				
Size S00									
S00	10	0.04	0.11 ... 0.16	0.5	2	3RU2116-0AB0	5	3RU2116-0AC0	
	10	0.06	0.14 ... 0.2	1	2	3RU2116-0BB0	5	3RU2116-0BC0	
	10	0.06	0.18 ... 0.25	1	▶	3RU2116-0CB0	5	3RU2116-0CC0	
	10	0.09	0.22 ... 0.32	1.6	▶	3RU2116-0DB0	5	3RU2116-0DC0	
	10	0.09	0.28 ... 0.4	2	▶	3RU2116-0EB0	5	3RU2116-0EC0	
	10	0.12	0.35 ... 0.5	2	▶	3RU2116-0FB0	5	3RU2116-0FC0	
	10	0.18	0.45 ... 0.63	2	▶	3RU2116-0GB0	5	3RU2116-0GC0	
	10	0.18	0.55 ... 0.8	4	▶	3RU2116-0HB0	5	3RU2116-0HC0	
	10	0.25	0.7 ... 1	4	▶	3RU2116-0JB0	▶	3RU2116-0JC0	
	10	0.37	0.9 ... 1.25	4	▶	3RU2116-0KB0	5	3RU2116-0KC0	
	10	0.55	1.1 ... 1.6	6	▶	3RU2116-1AB0	▶	3RU2116-1AC0	
	10	0.75	1.4 ... 2	6	▶	3RU2116-1BB0	▶	3RU2116-1BC0	
	10	0.75	1.8 ... 2.5	10	▶	3RU2116-1CB0	▶	3RU2116-1CC0	
	10	1.1	2.2 ... 3.2	10	▶	3RU2116-1DB0	▶	3RU2116-1DC0	
	10	1.5	2.8 ... 4	16	▶	3RU2116-1EB0	5	3RU2116-1EC0	
	10	1.5	3.5 ... 5	20	▶	3RU2116-1FB0	5	3RU2116-1FC0	
	10	2.2	4.5 ... 6.3	20	▶	3RU2116-1GB0	5	3RU2116-1GC0	
	10	3	5.5 ... 8	25	▶	3RU2116-1HB0	5	3RU2116-1HC0	
	10	4	7 ... 10	35	▶	3RU2116-1JB0	▶	3RU2116-1JC0	
	10	5.5	9 ... 12.5	35	▶	3RU2116-1KB0	5	3RU2116-1KC0	
10	7.5	11 ... 16	40	▶	3RU2116-4AB0	5	3RU2116-4AC0		
Size S0									
S0	10	0.75	1.8 ... 2.5	10	▶	3RU2126-1CB0	5	3RU2126-1CC0	
	10	1.1	2.2 ... 3.2	10	▶	3RU2126-1DB0	5	3RU2126-1DC0	
	10	1.5	2.8 ... 4	16	▶	3RU2126-1EB0	5	3RU2126-1EC0	
	10	1.5	3.5 ... 5	20	▶	3RU2126-1FB0	5	3RU2126-1FC0	
	10	2.2	4.5 ... 6.3	20	▶	3RU2126-1GB0	5	3RU2126-1GC0	
	10	3	5.5 ... 8	25	▶	3RU2126-1HB0	5	3RU2126-1HC0	
	10	4	7 ... 10	35	▶	3RU2126-1JB0	▶	3RU2126-1JC0	
	10	5.5	9 ... 12.5	35	▶	3RU2126-1KB0	5	3RU2126-1KC0	
	10	7.5	11 ... 16	40	▶	3RU2126-4AB0	▶	3RU2126-4AC0	
	10	7.5	14 ... 20	50	▶	3RU2126-4BB0	▶	3RU2126-4BC0	
	10	11	17 ... 22	63	▶	3RU2126-4CB0	2	3RU2126-4CC0	
	10	11	20 ... 25	63	▶	3RU2126-4DB0	▶	3RU2126-4DC0	
	10	15	23 ... 28	63	▶	3RU2126-4NB0	2	3RU2126-4NC0	
	10	15	27 ... 32	80	▶	3RU2126-4EB0	▶	3RU2126-4EC0	
	10	18.5	30 ... 36	80	▶	3RU2126-4PB0	2	3RU2126-4PC0	
	10	18.5	34 ... 40	80	▶	3RU2126-4FB0	▶	3RU2126-4FC0	

¹⁾ With the appropriate terminal supports (see "Accessories", page 7/96), the 3RU2 overload relays for mounting on contactors can also be installed as stand-alone units.

²⁾ 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.

³⁾ Maximum protection by fuse only for overload relays, type of coordination "2". For fuse values in connection with contactors, see Configuration Manual.

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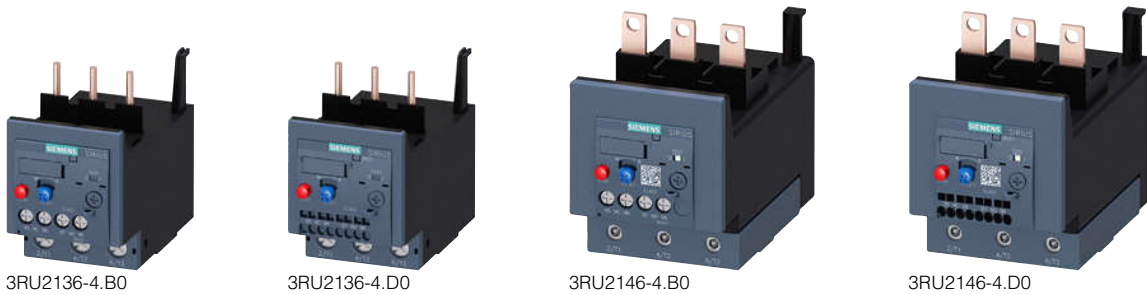
IE3/IE4 ready 3RU2 for standard applications

3RU21 thermal overload relays for mounting onto contactor¹⁾, 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
- 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


Size con- tactor	Trip class	Rated power for three-phase motors, rated value ²⁾	Current setting value of the inverse-time delayed overload release	Short-circuit protection with fuse, type of coordination "2", operational class gG ³⁾	SD	Screw terminals		Spring-type terminals (on auxiliary current side)	
						Article No.	Price per PU d	Article No.	Price per PU
Class	kW	A	A	d					
Size S2									
S2	10	3	5.5 ... 8	25	5	3RU2136-1HB0	5	3RU2136-1HD0	
	10	4	7 ... 10	35	5	3RU2136-1JB0	5	3RU2136-1JD0	
	10	5.5	9 ... 12.5	35	5	3RU2136-1KB0	5	3RU2136-1KD0	
	10	7.5	11 ... 16	40	5	3RU2136-4AB0	5	3RU2136-4AD0	
	10	7.5	14 ... 20	50	5	3RU2136-4BB0	5	3RU2136-4BD0	
	10	11	18 ... 25	63	▶	3RU2136-4DB0	5	3RU2136-4DD0	
	10	15	22 ... 32	80	▶	3RU2136-4EB0	5	3RU2136-4ED0	
	10	18.5	28 ... 40	80	▶	3RU2136-4FB0	5	3RU2136-4FD0	
	10	22	36 ... 45	100	▶	3RU2136-4GB0	2	3RU2136-4GD0	
	10	22	40 ... 50	100	▶	3RU2136-4HB0	2	3RU2136-4HD0	
	10	30	47 ... 57	100	▶	3RU2136-4QB0	2	3RU2136-4QD0	
	10	30	54 ... 65	125	▶	3RU2136-4JB0	2	3RU2136-4JD0	
	10A	37	62 ... 73	160	▶	3RU2136-4KB0	2	3RU2136-4KD0	
	10A	37	70 ... 80	160	▶	3RU2136-4RB0	2	3RU2136-4RD0	
Size S3									
S3	10	18.5	28 ... 40	80	2	3RU2146-4FB0	5	3RU2146-4FD0	
	10	22	36 ... 50	125	2	3RU2146-4HB0	5	3RU2146-4HD0	
	10	30	45 ... 63	125	2	3RU2146-4JB0	2	3RU2146-4JD0	
	10	37	57 ... 75	160	2	3RU2146-4KB0	2	3RU2146-4KD0	
	10	45	70 ... 90	160	2	3RU2146-4LB0	2	3RU2146-4LD0	
	10	45	80 ... 100 ⁴⁾	200	2	3RU2146-4MB0	2	3RU2146-4MD0	

¹⁾ With the appropriate terminal supports (see "Accessories", page 7/96), the 3RU2 overload relays for mounting on contactors can also be installed as stand-alone units.

²⁾ 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.

³⁾ Maximum protection by fuse only for overload relays, type of coordination "2". For fuse values in connection with contactors, see Configuration Manual.

⁴⁾ For overload relays > 100 A, see 3RB2 electronic overload relays, page 7/110 onwards.