

Overload Relays

SIRIUS 3RU1 Thermal Overload Relays



3RU11 up to 100 A
for standard applications

Selection and ordering data

3RU11 thermal overload relays with screw terminals on the auxiliary current side for mounting onto contactor¹⁾, CLASS 10

Features and technical specifications:

- Overload and phase failure protection
- Auxiliary contacts 1 NO + 1 NC
- Manual and automatic RESET
- Switch position indicator
- TEST function
- STOP button
- Integrated sealable cover

Size contactor ²⁾	Rating for three-phase motor, rated value ³⁾	Current setting value of the inverse-time delayed overload release	Short-circuit protection with fuse, type of coordination "2", operational class gG ⁴⁾	DT	Screw terminals (on auxiliary current side)	PU (UNIT, SET, M)	PS*	PG	
	kW	A	A		Article No.	Price per PU			
Size S2									
 3RU1136-.B0	S2	3	5.5 ... 8	25	▶	3RU1136-1HB0	1	1 unit	41F
		4	7 ... 10	35	▶	3RU1136-1JB0	1	1 unit	41F
		5.5	9 ... 12.5	35	▶	3RU1136-1KB0	1	1 unit	41F
	S2	7.5	11 ... 16	40	▶	3RU1136-4AB0	1	1 unit	41F
		7.5	14 ... 20	50	▶	3RU1136-4BB0	1	1 unit	41F
		11	18 ... 25	63	▶	3RU1136-4DB0	1	1 unit	41F
		15	22 ... 32	80	▶	3RU1136-4EB0	1	1 unit	41F
		18.5	28 ... 40	80	▶	3RU1136-4FB0	1	1 unit	41F
		22	36 ... 45	100	▶	3RU1136-4GB0	1	1 unit	41F
		22	40 ... 50	100	▶	3RU1136-4HB0	1	1 unit	41F
Size S3									
 3RU1146-.B0	S3	11	18 ... 25	63	▶	3RU1146-4DB0	1	1 unit	41F
		15	22 ... 32	80	▶	3RU1146-4EB0	1	1 unit	41F
	S3	18.5	28 ... 40	80	▶	3RU1146-4FB0	1	1 unit	41F
		22	36 ... 50	125	▶	3RU1146-4HB0	1	1 unit	41F
		30	45 ... 63	125	▶	3RU1146-4JB0	1	1 unit	41F
		37	57 ... 75	160	▶	3RU1146-4KB0	1	1 unit	41F
		45	70 ... 90	160	▶	3RU1146-4LB0	1	1 unit	41F
		45	80 ... 100 ⁵⁾	200	▶	3RU1146-4MB0	1	1 unit	41F

¹⁾ With the appropriate terminal supports (see "Accessories", page 7/108), the 3RU11 overload relays for mounting onto contactors can also be installed as stand-alone units.

²⁾ Observe maximum rated operational current of the devices.

³⁾ 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.

⁴⁾ Maximum protection by fuse only for overload relay, type of coordination "2". Fuse values in connection with contactors, see Reference Manual "Protection Equipment – 3RU1, 3RB2 Overload Relays", <http://support.automation.siemens.com/WW/view/en/35681830> → "Technical Specifications" → "Short-Circuit Protection with Fuses/Motor Starter Protectors for Motor Feeders".

⁵⁾ For overload relays > 100 A, see 3RB2 solid-state overload relays on page 7/126 onwards.