

Thermal Overload Relays - 3RU

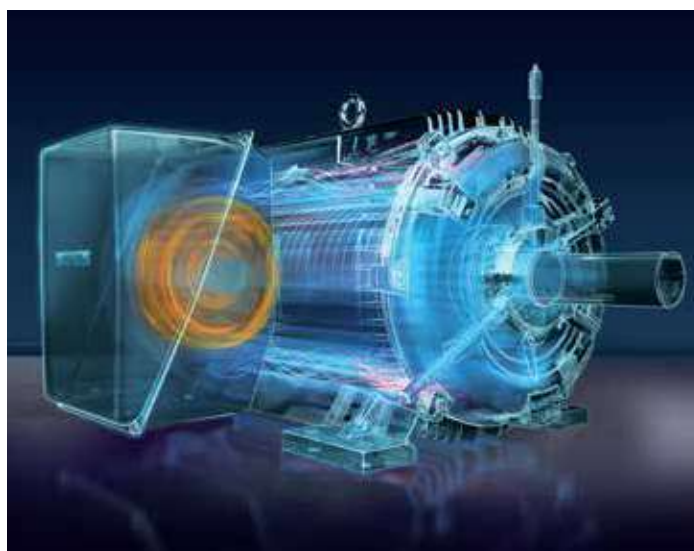


For contactor mounting - Class 10 - Screw Terminals

Size of relay / contactor	Set current value of the inverse- time delayed overload release A	Type#	Std. pkg. (nos.)	Size of relay / contactor	Set current value of the inverse- time delayed overload release A	Type#	Std. pkg. (nos.)
S00	0.11 ... 0.16	3RU2116-0AB0	1	S2	11 ... 16	3RU2136-4AB0	1
	0.14 ... 0.2	3RU2116-0BB0			14 ... 20	3RU2136-4BB0	
	0.18 ... 0.25	3RU2116-0CB0			18 ... 25	3RU2136-4DB0	
	0.22 ... 0.32	3RU2116-0DB0			22 ... 32	3RU2136-4EB0	
	0.28 ... 0.4	3RU2116-0EB0			28 ... 40	3RU2136-4FB0	
	0.35 ... 0.5	3RU2116-0FB0			36 ... 45	3RU2136-4GB0	
	0.45 ... 0.63	3RU2116-0GB0			40 ... 50	3RU2136-4HB0	
	0.55 ... 0.8	3RU2116-0HB0			47 ... 57	3RU2136-4QB0	
	0.7 ... 1	3RU2116-0JB0			54 ... 65	3RU2136-4JB0	
	0.9 ... 1.25	3RU2116-0KB0			62 ... 73	3RU2136-4KB0	
	1.1 ... 1.6	3RU2116-1AB0		70 ... 80	3RU2136-4RB0		
	1.4 ... 2	3RU2116-1BB0		S3	28 ... 40	3RU2146-4FB0	1
	1.8 ... 2.5	3RU2116-1CB0			36 ... 50	3RU2146-4HB0	
	2.2 ... 3.2	3RU2116-1DB0			45 ... 63	3RU2146-4JB0	
	2.8 ... 4	3RU2116-1EB0			57 ... 75	3RU2146-4KB0	
	3.5 ... 5	3RU2116-1FB0			70 ... 90	3RU2146-4LB0	
	4.5 ... 6.3	3RU2116-1GB0			80 ... 100	3RU2146-4MB0	
	5.5 ... 8	3RU2116-1HB0					
	7 ... 10	3RU2116-1JB0					
	9 ... 12.5	3RU2116-1KB0					
	11 ... 16	3RU2116-4AB0					
S0	1.8 ... 2.5	3RU2126-1CB0	1				
	2.2 ... 3.2	3RU2126-1DB0					
	2.8 ... 4	3RU2126-1EB0					
	3.5 ... 5	3RU2126-1FB0					
	4.5 ... 6.3	3RU2126-1GB0					
	5.5 ... 8	3RU2126-1HB0					
	7 ... 10	3RU2126-1JB0					
	9 ... 12.5	3RU2126-1KB0					
	11 ... 16	3RU2126-4AB0					
	14 ... 20	3RU2126-4BB0					
	17 ... 22	3RU2126-4CB0					
	20 ... 25	3RU2126-4DB0					
	23 ... 28	3RU2126-4NB0					
	27 ... 32	3RU2126-4EB0					
	30 ... 36	3RU2126-4PB0					
	34 ... 40	3RU2126-4FB0					

* To order overload relays with spring-type terminals replace 10th digit from 'B' to 'C' (for S00, S0 size only)

* To order overload relays with spring-type terminals replace 10th digit from 'B' to 'C' (for S00, S0 size only)



Accessory for independent mounting

For size of relay	Relay type	Type	Std. pkg. (nos.)
S00*	3RU21, 3RB30/31, 3RR21/22/24	3RU2916-3AA01	1
S0*	3RU21, 3RB30/31, 3RR21/22/24	3RU2926-3AA01	1
S2	3RU21, 3RB30/31, 3RR21/22/24	3RU2936-3AA01	1
S3	3RU21/3RB30/3RB31	3RU2946-3AA01	1



* To order terminal supports for overload relays with spring-type terminals replace 10th digit from 'A' to 'C' for S00, S0 only

Thermal Overload Relays - 3RU



Separate Mounting - Class 10

Size of relay / contactor	Rating for induction motor Rated value kW	Set current value of the inverse-time delayed overload release A	Type*	Std. pkg. (nos.)
S6	45	70 - 100	3RU2156-5BB10-8K	1
	55	90 - 125	3RU2156-5CB10-8K	1
	75	110 - 160	3RU2156-5DB10-8K	1
	110	140 - 200	3RU2156-5EB10-8K	1
	45	70 - 100	3RU2156-5BW10-8K ^{\$}	1
	55	90 - 125	3RU2156-5CW10-8K ^{\$}	1
	75	110 - 160	3RU2156-5DW10-8K ^{\$}	1
	110	140 - 200	3RU2156-5EW10-8K ^{\$}	1
S10	110	140 - 200	3RU2166-5EB10-8K	1
	132	180 - 250	3RU2166-5FB10-8K	1
	160	220 - 320	3RU2166-5GB10-8K	1
S12	200	280 - 400	3RU2176-5HB10-8K	1
	250	350 - 500	3RU2176-5JB10-8K	1

Separate Mounting - Class 30

Size of relay / contactor	Rating for induction motor Rated value kW	Set current value of the inverse-time delayed overload release A	Type*	Std. pkg. (nos.)
S6	37	55 - 80	3RU2356-5AB10-8K	1
	45	70 - 100	3RU2356-5BB10-8K	1
	55	90 - 125	3RU2356-5CB10-8K	1
	37	55 - 80	3RU2356-5AW10-8K ^{\$}	1
	45	70 - 100	3RU2356-5BW10-8K ^{\$}	1
	55	90 - 125	3RU2356-5CW10-8K ^{\$}	1
S10	75	110 - 160	3RU2366-5DB10-8K	1
	110	140 - 200	3RU2366-5EB10-8K	1
S12	132	180 - 250	3RU2376-5FB10-8K	1
	160	220 - 320	3RU2376-5GB10-8K	1

* For heavy duty applications (starting time > 10s), it is recommended to use 3RU class 30 relays to avoid nuisance tripping and reliable protection.

\$ Range available with straight through transformer

Microprocessor based overload relay - 3RB

Size	Current setting range A	3RB (Class 10)	3RB (Class 20)	3RB (Class 5 to 30 – Settable)	Std. pkg. (nos.)
		With overload, phase failure and phase unbalance protections	With overload, phase failure and phase unbalance protections	With overload, phase failure and phase unbalance and earth fault protection	
		Type*	Type*	Type*	
S00	0.1 ... 0.4	3RB3016-1RB0	3RB3016-2RB0	3RB3113-4RB0	1
	0.32 ... 1.25	3RB3016-1NB0	3RB3016-2NB0	3RB3113-4NB0	1
	1 ... 4	3RB3016-1PB0	3RB3016-2PB0	3RB3113-4PB0	1
	3 ... 12	3RB3016-1SB0	3RB3016-2SB0	3RB3113-4SB0	1
	4 ... 16	3RB3016-1TB0	3RB3016-2TB0	3RB3113-4TB0	1
S0	0.1 ... 0.4	3RB3026-1RB0	3RB3026-2RB0	3RB3123-4RB0	1
	0.32 ... 1.25	3RB3026-1NB0	3RB3026-2NB0	3RB3123-4NB0	1
	1 ... 4	3RB3026-1PB0	3RB3026-2PB0	3RB3123-4PB0	1
	3 ... 12	3RB3026-1SB0	3RB3026-2SB0	3RB3123-4SB0	1
	6 ... 25	3RB3026-1QB0	3RB3026-2QB0	3RB3123-4QB0	1
	10 ... 40	3RB3026-1VB0	3RB3026-2VB0	3RB3123-4VB0	1
S2	12.5 ... 50	3RB3036-1UB0 [@]	3RB3036-2UB0 [@]	3RB3133-4UB0 [@]	1
	20 ... 80	3RB3036-1WB0 [@]	3RB3036-2WB0 [@]	3RB3133-4WB0 [@]	1
	12.5 ... 50	3RB3036-1UW1 [#]	3RB3036-2UW1 [#]	3RB3133-4UW1 [#]	1
	20 ... 80	3RB3036-1WW1 [#]	3RB3036-2WW1 [#]	3RB3133-4WW1 [#]	1
S3	12.5 ... 50	3RB3046-1UB0 [@]	3RB3046-2UB0 [@]	3RB3143-4UB0 [@]	1
	32 ... 115	3RB3046-1XB0 [@]	3RB3046-2XB0 [@]	3RB3143-4XB0 [@]	1
	12.5 ... 50	3RB3046-1UW1 [#]	3RB3046-2UW1 [#]	3RB3143-4UW1 [#]	1
	32 ... 115	3RB3046-1XW1 [#]	3RB3046-2XW1 [#]	3RB3143-4XW1 [#]	1
S6	50 ... 200	3RB2056-1FC2 ^{&}	3RB2056-2FC2 ^{&}	3RB2153-4FC2 ^{&}	1
S6	50 ... 200	3RB2056-1FW2 ^{\$}	3RB2056-2FW2 ^{\$}	3RB2153-4FW2 ^{\$}	1
S10/12	55 ... 250	3RB2066-1GC2 ^{&}	3RB2066-2GC2 ^{&}	3RB2163-4GC2 ^{&}	1
S10/12	160 ... 630	3RB2066-1MC2 ^{&}	3RB2066-2MC2 ^{&}	3RB2163-4MC2 ^{&}	1

* For size S00 & S0: To order relay with spring type terminals, please replace 10th digit from 'B' to 'E'

Devices with straight-through transformer for stand-alone installation

@ Devices with screw terminals for mounting onto contactor.

& Devices with busbar connection for mounting onto contactor or stand-alone installation.

\$ Devices with straight-through transformer for mounting onto contactor with Box terminals or stand-alone installation.