

Contactors and Contactor Assemblies

Control Relays, Coupling Relays

SIRIUS



3RH21 control relays, 4-pole

Selection and ordering data
AC and DC operation



3RH11...-1...



3RH11...-2...

Size S00 – Terminal designations according to EN 50011

Rated current at 240 V NEMA A600/Q600 Amps	Auxiliary contacts		Rated control supply voltage U_s V AC 50/60 Hz ³⁾	AC Operation Screw Terminals ¹⁾²⁾ Order No.	Rated control supply voltage U_s V DC	DC Operation Screw Terminals ¹⁾²⁾ Order No.
	Ident- ification No.	Version NO NC				

For screw and snap-on mounting onto TH 35 standard mounting rail

	10	40E	4	—	24 110/120 220/240	3RH2140-1AB00 3RH2140-1AK60 3RH2140-1AP60	24 110 220	3RH2140-1BB40 3RH2140-1BF40 3RH2140-1BM40
	10	31E	3	1	24 110/120 220/240	3RH2131-1AB00 3RH2131-1AK60 3RH2131-1AP60	24 110 220	3RH2131-1BB40 3RH2131-1BF40 3RH2131-1BM40
	10	22E	2	2	24 110/120 220/240	3RH2122-1AB00 3RH2122-1AK60 3RH2122-1AP60	24 110 220	3RH2122-1BB40 3RH2122-1BF40 3RH2122-1BM40

Notes:

- For further voltages, see page 2/49.
- For accessories, see pages 2/65-2/74.
- For technical data, see pages 2/172-2/175.
- For overview, see page 2/103.
- For position terminals, see page 2/189-2/190.
- For dimension drawings, see page 2/111.

- 1) The 3RH21 contactor relays are also available with spring-type terminals. Replace the 8th digit of the order number with a "2" e.g. "3RH2140-2AB00"
- 2) The 3RH21 contactor relays are also available with ring lug terminals. Replace the 8th digit of the order number with a "4" e.g. "3RH2140-4AB00"
- 3) AC coil operating range at 50 Hz: 0.8 to 1.1 x U_s at 60 Hz: 0.85 to 1.1 x U_s
- 4) For AC-15/AC-14 the following applies: $I_e = 6A$ for mounted auxiliary contacts.

Contactors and Contactor Assemblies

Accessories for 3RT contactors / 3RH control relays

SIRIUS



Auxiliary switch blocks

Selection and ordering data



3RH2911-1FA40



3RH2911-2FA40



3RH19 21-1C...



3RH19 21-2C...



3RH19 21-1LA...



3RH19 21-1MA..

For contactors/ control relays	Rated operational Current ⁴⁾ 6A NEMA A600/Q600	Contactor with HS block Ident. No.	Connections position	Auxiliary contacts				Screw Terminals ¹⁾ Order No.	Spring Terminals ¹⁾ Order No.
				Version					
Type				NO	NC	NO	NC		

Auxiliary switch blocks for snapping onto the front according to EN 50005

Sizes S00 and S0

2- or 4-pole auxiliary switch blocks for assembling contactors with 3 and 5 or 4 and 6 auxiliary contacts

3RT2. 1.,	40	4	—	—	—	3RH2911-1FA40	3RH2911-2FA40
3RT2. 2.,	22	2	2	—	—	3RH2911-1FA22	3RH2911-2FA22
3RH21 ...,	04 ¹⁾	—	4	—	—	3RH2911-1FA04	3RH2911-2FA04
3RH24 ..	11 ²⁾	—	—	1	1	3RH2911-1FB11	3RH2911-2FB11
	22 ²⁾	1	1	1	1	3RH2911-1FB22	3RH2911-2FB22
	22 ²⁾	—	—	2	2	3RH2911-1FC22	3RH2911-2FC22

1- and 2- pole auxiliary switch blocks, cable entry from above or below

3RT2. 1.,	10	Top	1	—	—	3RH2911-1AA10	—
3RT2. 2.,		Bottom	1	—	—	3RH2911-1BA10	—
3RH21 ...,	01	Top	—	1	—	3RH2911-1AA01	—
3RH24 ..		Bottom	—	1	—	3RH2911-1BA01	—
	11	Top	1	1	—	3RH2911-1LA11	—
		Bottom	1	1	—	3RH2911-1MA11	—
	20	Top	2	—	—	3RH2911-1LA20	—
		Bottom	2	—	—	3RH2911-1MA20	—

Sizes S2 to S12 ³⁾

4-pole auxiliary switch blocks

3RT1. 3 to	40	4	—	—	—	3RH1921-1FA40	3RH1921-2FA40
3RT1. 7,	31	3	1	—	—	3RH1921-1FA31	3RH1921-2FA31
3RT11	22	2	2	—	—	3RH1921-1FA22	3RH1921-2FA22
	04	—	4	—	—	3RH1921-1FA04	3RH1921-2FA04
	22 U	—	—	2	2	3RH1921-1FC22	3RH1921-2FC22

Single-pole auxiliary switch blocks (also compliant with EN 5001²⁾)

3RT1. 3 to	—	1	—	—	—	3RH1921-1CA10	3RH1921-2CA10
3RT1. 7,	—	—	1	—	—	3RH1921-1CA01	3RH1921-2CA01
3RT11	—	—	—	1	—	3RH1921-1CD10	—
	—	—	—	—	1	3RH1921-1CD01	—

2-pole auxiliary switch blocks with cable entry from one side

3RT1. 3 to	—	Top	1	1	—	—	3RH19 21-1LA11
3RT1. 7,	—	Bottom	1	1	—	—	3RH19 21-1MA11
3RT11	—	Top	2	—	—	—	3RH19 21-1LA20
	—	Bottom	2	—	—	—	3RH19 21-1MA20
	—	Top	—	2	—	—	3RH19 21-1LA02
	—	Bottom	—	2	—	—	3RH19 21-1MA02

EN50005 and EN50012 designate the markings of the auxiliary terminal numbers.
For position of the terminals see pages 2/189-2/193.
For int. circuit diagrams see page 2/177.

1) Mounting is permitted only on basic units which have no integrated NC contact.

2) Version with early make and delayed break contacts

3) Exception: 3RT16

4) UL ratings: See appendix page 19/7