

Power Contactors for Switching Motors

Accessories for 3RT2 Contactors

General

Options

Auxiliary switch: Terminal designations and identification numbers for auxiliary contacts

Terminal designations

The terminal designations are 2-digit, e.g. 13, 14, 21, 22:

- Tens digit: Sequence digit
 - Related terminals have the same sequence digit
- Units digit: Function digit
 - 1-2 for normally closed contacts (NC)
 - 3-4 for normally open contacts (NO)

Selection aid for mountable auxiliary switch blocks for power contactors and contactor relays

The auxiliary switch blocks of the 3RH29 series for mounting on the front and side can be used for power contactors as well as for contactor relays.

The possible combinations of basic unit and mounted auxiliary switch block can be found in the tables on pages 3/59 to 3/63.

Where the columns and lines intersect (blue and green in the example) you will find the identification number for the combination of basic unit (column) and auxiliary switch block (line).

Additional auxiliary switch blocks		3-pole contactors		
Order No.	Auxiliary contacts Version NO NC	3RT201 S00 10	3RT201 S00 01	3RT20. S0/S2 11
		2. 3. 4. 5.	5. 6. 7. 8.	3. 4. 5. 6.
According to EN 50012 ^①				
Auxiliary switches without NO contact				
3RH2911-□HA01	- 1	11	02	12
3RH2911-□HA02	- 2	12	03	13
3RH2911-□HA03	- 3	13	04	14
3RH2911-□FA04	- 4	14	-	-
Auxiliary switch with 1 NO contact				
3RH2911-□HA10	1 -	20	11	21
1 For screw terminals 2 For spring-type terminals				

^① Combinations according to EN 50012, EN 50011 and IEC 60947-5-1 are in bold print. All combinations comply with EN 50005.

Example 1

Basic unit: 3-pole 3RT2017 motor contactor with 1 NO
Required: 1 NO + 4 NC (Ident. No. 14)
Result: 3RH2911-.FA04 auxiliary switch block

Example 2

Basic unit: 3-pole 3RT2023 motor contactor with 1 NO + 1 NC
Required: 1 NO + 4 NC (Ident. No. 14)
Result: Auxiliary switch block 3RH2911-.HA03

Identification numbers

The identification number indicates the number and type of the auxiliary contacts, e.g. 40, 31, 22, 13:

1. digit: number of normally open contacts (NO)
2. digit: number of normally closed contacts (NC)

Examples:

- 31 = 3 NO + 1 NC
- 40 = 4 NO

Type	Example 1 3RT20 motor contactor, S00 with 1 NO	Example 2 3RT20 motor contactor, S0 with 1 NO + 1 NC
Sequence digit	2. 3. 4. 5.	3. 4. 5. 6.
Type	Auxiliary switch with 4 NC, 3RH2911-.FA04	Auxiliary switch with 3 NC, 3RH2911-.HA03
Function digit	.1 .1 .1 .1 .2 .2 .2 .2	.1 .1 .1 .1 .2 .2 .2 .2
Type	3RT20 motor contactor, S00 with aux. switch block	3RT20 motor contactor, S0 with aux. switch block
Terminal designation	13 21 31 41 51 14 22 32 42 52	13 21 31 41 51 14 22 32 42 52
Result	.1 .1 .1 .1 .2 .2 .2 .2	.1 .1 .1 .1 .2 .2 .2 .2

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Selection

Auxiliary switch blocks

Additional auxiliary switch blocks			3-pole contactors			4-pole contactors				Contactor relays										
Auxiliary contacts Version	S00 3RT201		3RT201		S0/S2 3RT20.		S00 3RT231		3RT251		S0/S2 3RT23.		3RT25.		S00 3RH21,		3RH24			
	10		01		11		—		—		11		11		40E		31E		22E	
NO NC																				
Order No.	2. 3. 4. 5.		5. 6. 7. 8.		3. 4. 5. 6.		1. 2. 3. 4.		1. 2. 3. 4.		3. 4. 5. 6.		3. 4. 5. 6.		5. 6. 7. 8.		5. 6. 7. 8.		5. 6. 7. 8.	
			According to EN 50005			According to EN 50005				According to EN 50005										
Front auxiliary switches																				
With make-before-break^①																				
3RH2911-□FB11	1	1		21	12	22	11	11	22	22	51	42	33							
3RH2911-□FB22	2	2		32	23	33	22	22	33	—	62	53	44							
3RH2911-□FC22	2	2		32	23	33	22	22	33	—	62	53	44							
With complete inscription^②																				
3RH2911-1AA10	1	—		20	11	21	10	10	21	21	50	41	32							
3RH2911-1BA10	1	—		20	11	21	10	10	21	21	50	41	32							
3RH2911-1AA01	—	1		11	02	12	01	01	12	12	41	32	23							
3RH2911-1BA01	—	1		11	02	12	01	01	12	12	41	32	23							
3RH2911-1LA11	1	1		21	12	22	11	11	22	22	51	42	33							
3RH2911-1MA11	1	1		21	12	22	11	11	22	22	51	42	33							
3RH2911-1LA20	2	—		30	21	31	20	20	31	31	60	51	42							
3RH2911-1MA20	2	—		30	21	31	20	20	31	31	60	51	42							

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CONTACTORS

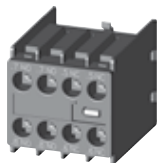
^① Contacts with make-before-break do not have a mirror contact function.

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Selection

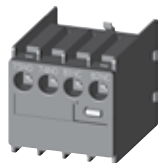
Auxiliary switch blocks



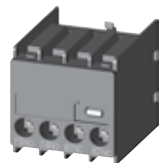
3RH2911-1FC22



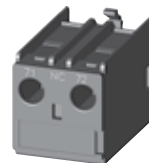
3RH2911-2FC22



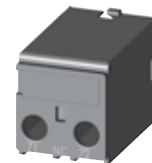
3RH2911-1LA11



3RH2911-1MA11



3RH2911-1AA01



3RH2911-1BA01

For contactors / contactor relays ^①	Connections Position	Auxiliary contacts Version				Screw terminals	Spring-type terminals	PS*
Type		NO	NC	NO	NC	Order No.	Order No.	
Auxiliary switch blocks for snapping onto the front								
Sizes S00 to S2								
3RT2.1., 3RT2.2., 3RT2.3.	4	—	—	—		3RH2911-1FA40	3RH2911-2FA40	1 unit
3RH21, 3RH24	2	2	—	—		3RH2911-1FA22	3RH2911-2FA22	1 unit
	—	4	—	—		3RH2911-1FA04	3RH2911-2FA04	1 unit
	—	—	1	1		3RH2911-1FB11	3RH2911-2FB11	1 unit
	1	1	1	1		3RH2911-1FB22	3RH2911-2FB22	1 unit
	—	—	2	2		3RH2911-1FC22	3RH2911-2FC22	1 unit
1- and 2-pole auxiliary switch blocks, cable entry from top or bottom								
3RT2.1., 3RT2.2., 3RT2.3.	Top	1	—	—		3RH2911-1AA10	—	1 unit
	Bottom	1	—	—		3RH2911-1BA10	—	1 unit
3RH21, 3RH24	Top	—	1	—		3RH2911-1AA01	—	1 unit
	Bottom	—	1	—		3RH2911-1BA01	—	1 unit
	Top	1	1	—		3RH2911-1LA11	—	1 unit
	Bottom	1	1	—		3RH2911-1MA11	—	1 unit
	Top	2	—	—		3RH2911-1LA20	—	1 unit
	Bottom	2	—	—		3RH2911-1MA20	—	1 unit