

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 50012①				
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		

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

3 CONTACTORS

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

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Selection

Auxiliary switch blocks

Additional auxiliary switch blocks		3-pole contactors			4-pole contactors				Contactor relays				
Auxiliary contacts Version	NO NC	S00 3RT201	3RT201	S0/S2 3RT20.	S00 3RT231	3RT251	S0/S2 3RT23.	3RT25.	S00 3RH21,	3RH24			
		10	01	11	—	—	11	11	40E	31E	22E		
		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.		
Order No.		According to EN 50005			According to EN 50005				According to EN 50011①				
Front auxiliary switches													
With complete inscription (for contactor relays)②													
3RH2911-□GA40	4	—		—	—	—	—	—	—	80E	—	—	
3RH2911-□GA31	3	1		—	—	—	—	—	—	71E	—	—	
3RH2911-□GA22	2	2		—	—	—	—	—	—	62E	—	—	
3RH2911-□GA13	1	3		—	—	—	—	—	—	53E	—	—	
3RH2911-□GA04	—	4		—	—	—	—	—	—	44E	—	—	
With complete inscription; special version													
3RH2911-□XA40-0MA0	4	—		50	41	51	40	40	51	51	80E	71X	62X
3RH2911-□XA31-0MA0	3	1		41	32	42	31	31	42	42	71E	62X	53
3RH2911-□XA22-0MA0	2	2		32	23	33	22	22	33	—	62E	53	44X
3RH2911-□XA04-0MA0	—	4		14	—	—	—	—	—	—	44E	—	—
Solid-state compatible													
3RH2911-□NF02	—	2		12	03	13	02	02	13	—	42	33	24
3RH2911-□NF11	1	1		21	12	22	11	11	22	22	51	42	33
3RH2911-□NF20	2	—		30	21	31	20	20	31	31	60	51	42

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