

Selection and ordering data

				Innovations	
Type	Version	Width	Fits 3RV2 Frame Size	Screw Connection Order No.	
Auxiliary switches ³⁾			mm	Innovations	
3RV2901-1E  3RV2901-1G  3RV2901-1A 	Transverse auxiliary switches	1 CO 1 NO + 1 NC 2 NO		S00, S0, S2, S3	3RV2901-1D 1), 2) 3RV2901-1E 1) 3RV2901-1F
	Solid-state compatible, transverse auxiliary switches for use in dusty atmosphere and in electronic circuits with low operating currents	1 CO		S00, S0, S2, S3	3RV2901-1G
	Covering caps for transverse auxiliary switch slots (pack of 10)			S00, S0, S2, S3	3RV2901-0H
	Lateral auxiliary switches (side mount)	1 NO + 1 NC 2 NO 2 NC	9 9 9	S00, S0, S2, S3	1), 2) 3RV2901-1A 1) 3RV2901-1B 1) 3RV2901-1C 3RV2901-1J
	Width = 9 mm	2 NO + 2 NC	18		
Signaling switch ⁴⁾				Innovations	
3RV2921-1M 	Signaling switch (side mount) Individual tripped and short-circuit signaling Width = 18 mm	1 NO + 1 NC each	18	S00, S0, S2, S3	1), 2) 3RV2921-1M
Auxiliary releases ⁵⁾				Innovations	
3RV2902-1AB4 	Undervoltage releases (side mount)	DC 24 V		S00, S0, S2, S3	3RV2902-1AB4
	Width = 18 mm	AC 50 Hz 24 V 110 V — 230 V 400 V 415 V 500 V	AC 60 Hz — 120 V 208 V 240 V 440 V 480 V 600 V	S00, S0, S2, S3	3RV2902-1AB0 3RV2902-1AF0 1), 2) 3RV2902-1AM1 1), 2) 3RV2902-1AP0 3RV2902-1AV0 3RV2902-1AV1 3RV2902-1AS0
	Undervoltage releases with leading auxiliary contacts 2 NO (side mount)	230 V 400 V 415 V	240 V 440 V 480 V	S00, S0, S2, S3	1) 3RV2922-1CP0 1) 3RV2922-1CV0 1), 2) 3RV2922-1CV1
	Width = 18 mm	230 V 400 V 415 V	240 V 440 V 480 V	S00, S0, S2, S3	1) 3RV2922-1CP0 1) 3RV2922-1CV0 1), 2) 3RV2922-1CV1
	Shunt releases (side mount)	AC 50/60 Hz 100% ON ⁶⁾ 20-24 V 90-110 V 210-240 V 350-415 V 500 V	AC 50/60 Hz 5 sec ON ⁷⁾ 20-70 V 70-190 V 190-330 V 330-500 V 500 V	S00, S0, S2, S3	1), 2) 3RV2902-1DB0 1), 2) 3RV2902-1DF0 1) 3RV2902-1DP0 3RV2902-1DV0 3RV2902-1DS0
	Width = 18 mm				

1) This product is also available with spring terminals. The order no. must be changed in the 8th position to a "2": e.g. 3RV1901-2E or 3RV2901-2E

2) This product is also available with ring lug terminals. The order no. must be changed in the 8th position to a "4": e.g. 3RV2901-4E

3) Each motor starter protector can be fitted with one transverse and one lateral auxiliary switch. The lateral auxiliary switch 2 NO + 2 NC is used without transverse auxiliary switch.

4) One signaling switch can be mounted at the left of the motor starter protector. This accessory cannot be used on the 3RV27 and 3RV28 circuit breakers.

5) One auxiliary release can be mounted at the right of each MSP, motor starter protector.

6) The response voltage at the lower limit of the voltage range at 0.85 (T_u=60°C) is valid for 100% (infinite)

7) The response voltage at the lower limit of the voltage range at 0.9 (T_u=60°C) applies for a duty cycle of 5 seconds at AC 50/60 Hz and DC.

3RT Contactors

3RT2 and 3RH2 contactors and relays

Additional auxiliary switch blocks



Auxiliary contacts Version NO NC		3-pole contactors			4-pole contactors				Contactor relays				
		S00		S0	S00		S0/S2		S00				
		3RT20 1 10	3RT20 1 01	3RT20 2 11	3RT23 1 --	3RT25 1 --	3RT23 11	3RT25 11	3RH21, 3RH24 40E	3RH21, 3RH24 31E	3RH21, 3RH24 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		
Front auxiliary switches		According to EN 50012 ¹⁾			According to EN 50012 ¹⁾				According to EN 50011 ¹⁾				Order No.
Without NO contact													
--	1		11	02	12	01	01	12	12	41X	32X	23X	3RH29 11-.HA01
--	2		12	03	13	02	02	13	--	42E	33X	24	3RH29 11-.HA02
--	3		13	04	14	03	--	--	--	43	34	--	3RH29 11-.HA03
--	4		14	--	--	--	--	--	--	44E	--	--	3RH29 11-.FA04
With 1 NO contact													
1	--		20	11	21	10	10	21	21	50E	41E	32E	3RH29 11-.HA10
1	1		21	12	22	11	11	22	22	51X	42X	33X	3RH29 11-.HA11
1	2		22	13	23	12	12	23	--	52	43	34	3RH29 11-.HA12
1	3		23	14	24	13	--	--	--	53X	44X	--	3RH29 11-.HA13
With 2 NO contacts													
2	--		30	21	31	20	20	31	31	60E	51X	42X	3RH29 11-.HA20
2	1		31	22	32	21	21	32	32	61	52	43	3RH29 11-.HA21
2	2		32	23	33	22	22	33	--	62X	53	44X	3RH29 11-.HA22
2	2		32	23	33	22	22	33	--	62X	53	44X	3RH29 11-.FA22

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