SIEMENS

Data sheet 3RV2321-4DC10



Circuit breaker size S0 for starter combination Rated current 25 A N-release 325 A Screw terminal Standard switching capacity

product brand name	SIRIUS	
product designation	Circuit breaker	
design of the product	For starter combinations	
product type designation	3RV2	
General technical data		
size of the circuit-breaker	S0	
size of contactor can be combined company-specific	S00, S0	
product extension auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	10.5 W	
 at AC in hot operating state per pole 	3.5 W	
insulation voltage with degree of pollution 3 at AC rated value	690 V	
surge voltage resistance rated value	6 kV	
shock resistance according to IEC 60068-2-27	25g / 11 ms	
mechanical service life (switching cycles)		
 of the main contacts typical 	100 000	
 of auxiliary contacts typical 	100 000	
electrical endurance (switching cycles) typical	100 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	10/01/2009	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
during operation	-20 +60 °C	
during storage	-50 +80 °C	
 during transport 	-50 +80 °C	
relative humidity during operation	10 95 %	
Main circuit		
number of poles for main current circuit	3	
operating voltage		
rated value	20 690 V	
 at AC-3 rated value maximum 	690 V	
 at AC-3e rated value maximum 	690 V	
operating frequency rated value	50 60 Hz	
operational current rated value	25 A	
operational current		
at AC-3 at 400 V rated value	25 A	
 at AC-3e at 400 V rated value 	25 A	
operating power		
• at AC-3		
— at 230 V rated value	5.5 kW	

at 400 V rated value		
— at 290 V rated value	— at 400 V rated value	11 kW
HAC-26	— at 500 V rated value	15 kW
at 230 V rated value at 500 V rated value at 600 V rated value at	 at 690 V rated value 	22 kW
	• at AC-3e	
at 500 V rated value at 600 V rated value at	 at 230 V rated value 	5.5 kW
	— at 400 V rated value	11 kW
operating frequency • at AC-3 maximum • at AC-3 maximum 15 1/h Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 product function • ground fault defection • ground fault defection • product function • phase failure detection • phase failure detection • at AC at 240 V rated value • at AC at 800 V rated value • at 690 V rated value • at 800 V rated val	— at 500 V rated value	15 kW
at AC-3 maximum at AC-3s maximum b at AC-3s maximum 15 1/h Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 product function again maximum short-circuit current (icu) brasking capacity maximum short-circuit current (icu) at AC at 2240 V rated value at AC at 650 V rated value 100 kA 4 kA 55 kA 4 kA 55 kA 56 kA 57 kA 58 k	— at 690 V rated value	22 kW
at AC-3 maximum at AC-3s maximum b at AC-3s maximum 15 1/h Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 product function again maximum short-circuit current (icu) brasking capacity maximum short-circuit current (icu) at AC at 2240 V rated value at AC at 650 V rated value 100 kA 4 kA 55 kA 4 kA 55 kA 56 kA 57 kA 58 k	operating frequency	
auxiliary circuit number of NC contacts for auxiliary contacts product function		15 1/h
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts on mumber of NO contacts for auxiliary contacts on mumber of CO contacts for auxiliary contacts on product function • ground fault detection • ground fault detection • phase failure detection • and AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC or rated value • at 600 V rated value • at	at AC-3e maximum	15 1/h
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts on mumber of NO contacts for auxiliary contacts on mumber of CO contacts for auxiliary contacts on product function • ground fault detection • ground fault detection • phase failure detection • and AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC or rated value • at 600 V rated value • at	Auxiliary circuit	
number of NO contacts for auxiliary contacts 0 0 Protective and monitoring functions product function • ground fault detection • product function • ground fault detection • product function • ground fault detection • product function • ground fault detection • product function • ground fault detection • product function • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 800 V rated value • at 110/120 V rated value • at 220 V rated value • at 800 V rated value •		0
rouncher of CO contacts for auxiliary contacts Protective and monitoring functions product function • ground fault detection • phase failure detection No phase failure detection • at AC at 24 0V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 590 V rated value • at AC at 590 V rated value • at AC at 590 V rated value • at 240 V rated value • at 400 V rated value • at 25 AA • at 600 V rated value • at 200 V rated value • at 300 V rated value • for 3-phase AC motor • at 480 V rated value • for 3-phase AC motor • at 200208 V rated value • for 3-phase AC motor • at 200208 V rated value • for 3-phase AC motor • at 200208 V rated value • for 3-phase AC motor • at 200208 V rated value • for 3-phase AC motor • at 200208 V rated value • for 3-phase AC motor • at 200208 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 9-phase AC motor • at 800 V rated value • for 9-phase AC motor • at 800 V rated value • for 9-phase AC motor • at 800 V rated value • for 9-phase AC motor • at 800 V rated value • for 9-phase AC motor • at 800 V rated value • for 9-phase AC motor • at 800 V rated value •		
Protective and monitoring functions product function		
product function		U
e ground fault detection ho phase failure detection at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 890 V rated value breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 500 V rated value at 600 V rated value breaking capacity operation of the value value at 600 V rated value breaking capacity operation of value at 200208 V rated va		
phase fallure detection breaking capacity maximum short-circuit current (Icu) e at AC at 240 V rated value	•	
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at AC at 240 V rated value	 phase failure detection 	No
at AC at 400 V rated value at AC at 500 V rated value 4 KA 4 KA breaking capacity operating short-circuit current (lcs) at AC at 240 V rated value 25 kA at 400 V rated value 55 kA 6 at 400 V rated value 55 kA 6 at 400 V rated value 55 kA 6 at 690 V rated value 75 kA 76 set 690 V rated value 77 kA 77 set 690 V rated value 8 at 690 V rated value 8 at 690 V rated value 9 at 230 V rated value 9 at 200/208 V rated value 9 at 460/480 V rated value 9 at 460/480 V rated value 9 at 460/480 V rated value 9 at 450 V 9 gL/gG 63 A 9 at 500 V 9 at 500 V 9 at 500 V 9 at 690 V 9 at 500 V 9 at 690 V 9 at 500 V 9 at 690 V	breaking capacity maximum short-circuit current (lcu)	
at AC at 500 V rated value at AC at 500 V rated value breaking apacity operating short-circuit current (Ics) at AC at 240 V rated value at 400 V rated value 5 kA at 500 V rated value 25 kA at 500 V rated value 25 kA 325 A 325 A 325 A 325 A 326 A 327 V rated value 328 A 329 V rated value 329 V rated value 320 V rated value 320 V rated value 321 A 322 A 323 A 324 A 325 A 326 A 327 A 328 A 329 A	 at AC at 240 V rated value 	100 kA
e at AC at 690 V rated value breaking capacity operating short-circuit current (Ics) at AC e at 240 V rated value at 400 V rated value 5 kA e at 690 V rated value 25 kA sat 690 V rated value 21 kA at 690 V rated value 22 kA 325 A UL/CSA ratings Full-load current (FLA) for 3-phase AC motor at 480 V rated value 25 A 25 A 25 A UL/CSA ratings Full-load current (FLA) for 3-phase AC motor at 480 V rated value 25 A 25 A 25 A 26 A 27 A 28 A 29 A 29 A 29 A 20 A	 at AC at 400 V rated value 	55 kA
breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value at 400 V rated value 25 kA at 500 V rated value 5 kA 2 kA 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 25 A 460 V rated value 25 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 2 h p at 230 V rated value 3 h p for 3-phase AC motor at 230 V rated value 3 h p for 3-phase AC motor at 200/208 V rated value 5 h p at 200/208 V rated value 7,5 h p at 460/480 V rated value 7,5 h p short-circuit protection product function short circuit protection design of the short-circuit trip design of the short-circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V gL/gG 50 A	 at AC at 500 V rated value 	10 kA
at AC at 240 V rated value at 400 V rated value 25 kA at 500 V rated value 35 kA at 500 V rated value 55 kA at 500 V rated value response value current of instantaneous short-circuit trip unit PUL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 25 A at 600 V rated value 25 A at 600 V rated value 25 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value — at 230 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 460/480 V rated value — at 4400 V rated value	 at AC at 690 V rated value 	4 kA
at 240 V rated value at 400 V rated value 25 kA at 690 V rated value 5 kA 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 5 kA 5 A 480 V rated value 25 A 31 hp 480 V rated value 25 A 3 hp 480 V rated value 5 hp 480 V rated value 75 hp 480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit 4 at 400 V 4 at 500 V 5 at 590 V 5 at 690 V 5 at 690 V Installation/ mounting/ dimensions mounting position fastening method 5 kA		
at 400 V rated value at 590 V rated value 5 kA set 500 V rated value response value current of instantaneous short-circuit trip unt full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 25 A yielded mechanical performance [hp] for single-phase AC motor - at 110/120 V rated value 25 A yielded mechanical value 3 hp for 3-phase AC motor - at 230 V rated value 3 hp for 3-phase AC motor - at 220/230 V rated value 5 hp - at 220/230 V rated value 7.5 hp - at 220/230 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 460 V at 690 V gL/gG 63 A set 500 V set 500 V gL/gG 50 A set 500 V gL/gG 50 A set 500 V set 500 V gL/gG 50 A set 500 V set 500 N set 5		
at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value before single-phase AC motor at 110/120 V rated value at 25 A at 230 V rated value before 3-phase AC motor at 110/120 V rated value befor 3-phase AC motor at 230 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 200/208 V rated value befor 3-phase AC motor at 5-phase AC motor at 5-phase AC motor at 600 V rated value befor 3-phase AC motor The 4-phase AC motor The 4-phase AC motor The 4-phase AC motor The 4-phase AC motor The 5-phase AC motor The 4-phase AC motor The 5-phase AC	 at 240 V rated value 	
at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value	 at 400 V rated value 	25 kA
response value current of instantaneous short-circuit trip unit **DIL/CSA ratings** **Full-load current (FLA) for 3-phase AC motor** **at 480 V rated value** **at 680 V rated value** **at 680 V rated value** **of single-phase AC motor**	 at 500 V rated value 	5 kA
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 25 A • at 600 V rated value 25 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 220/230 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the short-circuit trip design of the main circuit • at 400 V • at 500 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height 97 mm width 45 mm depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	 at 690 V rated value 	2 kA
Ul-load current (FLA) for 3-phase AC motor • at 480 V rated value 25 A • at 600 V rated value 25 A yielded mechanical performance [hp] • for single-phase AC motor at 110/120 V rated value 2 hp at 230 V rated value 3 hp • for 3-phase AC motor at 200/208 V rated value 7.5 hp at 220/2020 V rated value 7.5 hp at 460/480 V rated value 15 hp Short-circuit protection Yes design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V gL/gG 63 A • at 5500 V gL/gG 50 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 width	response value current of instantaneous short-circuit trip	325 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 9 for single-phase AC motor — at 110/120 V rated value 9 for single-phase AC motor — at 230 V rated value 9 for 3-phase AC motor — at 220/208 V rated value 9 for 3-phase AC motor — at 220/208 V rated value 9 for 3-phase AC motor — at 220/230 V rated value 9 for 3-phase AC motor — at 220/230 V rated value 9 for 3-phase AC motor — at 220/230 V rated value 9 for 3-phase AC motor 9 for 3-phase AC motor — at 220/230 V rated value 9 for 5-phase AC motor Froduct function short circuit protection product function short circuit protection gesign of the short-circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit 9 gL/gG 63 A gL/gG 50 A 9 gL/gG 50 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height 97 mm width depth 97 mm required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	unit	
at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value bfor 3-phase AC motor at 200/208 V rated value at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor yes magnetic segments agnetic yes magnetic yes yes yes yes yes yes yes ye	UL/CSA ratings	
• at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V gL/gG 50 A • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic magnetic magnetic magnetic magnetic est 400 V • at 500 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height 97 mm vidth depth 97 mm • with side-by-side mounting at the side • for grounded parts at 400 V	 at 480 V rated value 	25 A
for single-phase AC motor — at 110/120 V rated value	a at 600 V rated value	25 A
for single-phase AC motor — at 110/120 V rated value	■ at oud v rated value	
- at 110/120 V rated value 2 hp - at 230 V rated value 3 hp • for 3-phase AC motor - at 200/208 V rated value 7.5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height 97 mm width 45 mm depth 97 mm required spacing • with side-by-side mounting at the side • for grounded parts at 400 V		
for 3-phase AC motor — at 200/208 V rated value	yielded mechanical performance [hp]	
for 3-phase AC motor — at 200/208 V rated value	yielded mechanical performance [hp] • for single-phase AC motor	2 hp
- at 200/208 V rated value 5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic magnetic magnetic magnetic magnetic magnetic set 400 V gL/gG 63 A gL/gG 50 A mounting position mounting / mou	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value	·
- at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V gL/gG 63 A • at 500 V gL/gG 50 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height yidth 45 mm depth 97 mm required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value	·
- at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method according to DIN EN 60715 height width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V Yes magnetic Page 19 O Mage 19	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor	3 hp
Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value	3 hp 5 hp
product function short circuit protection design of the short-circuit trip magnetic eat 400 V eat 500 V eat 690 V Installation/ mounting/ dimensions mounting position fastening method fastening method any width depth required spacing e with side-by-side mounting at the side e for grounded parts at 400 V wagnetic magnetic pales pales	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value	3 hp 5 hp 7.5 hp
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method fastening method any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V gL/gG 63 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 0 mm	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value	3 hp 5 hp 7.5 hp
design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method according to DIN EN 60715 height width depth required spacing with side-by-side mounting at the side for grounded parts at 400 V gL/gG 50 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm vidth depth for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection	3 hp 5 hp 7.5 hp 15 hp
protection of the main circuit at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method according to DIN EN 60715 height width depth required spacing with side-by-side mounting at the side for grounded parts at 400 V gL/gG 50 A any fastening onto 35 mm standard mounting rail according to DIN EN 60715 height graph of the first of the fir	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection	3 hp 5 hp 7.5 hp 15 hp Yes
 at 400 V at 500 V at 690 V gL/gG 50 A gL/gG 50 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height width depth p7 mm width depth p7 mm required spacing with side-by-side mounting at the side for grounded parts at 400 V O mm gL/gG 63 A gL/gG 50 A 	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip	3 hp 5 hp 7.5 hp 15 hp Yes
 at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth p7 mm width depth p7 mm with side-by-side mounting at the side for grounded parts at 400 V gL/gG 50 A 	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit	3 hp 5 hp 7.5 hp 15 hp Yes
 at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth equired spacing with side-by-side mounting at the side for grounded parts at 400 V gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 97 mm 0 mm 	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit	3 hp 5 hp 7.5 hp 15 hp Yes magnetic
Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height 97 mm width 45 mm depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A
mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height width 45 mm depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the main circuit • at 400 V • at 500 V	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A
fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height 97 mm width 45 mm depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A
according to DIN EN 60715 height 97 mm width 45 mm depth 97 mm required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A
height width 45 mm depth 97 mm required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A any
width 45 mm depth 97 mm required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A
depth 97 mm required spacing • with side-by-side mounting at the side • for grounded parts at 400 V 97 mm 0 mm	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm
 with side-by-side mounting at the side for grounded parts at 400 V 	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm
● for grounded parts at 400 V	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm
	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm 97 mm
— downwards 30 mm	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting at the side	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm 97 mm
	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	3 hp 5 hp 7.5 hp 15 hp Yes magnetic gL/gG 63 A gL/gG 50 A gL/gG 50 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm 97 mm 0 mm

— upwards	30 mm
— at the side	9 mm
 for live parts at 400 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm

Connections/ Terminals

type of electrical connection

• for main current circuit arrangement of electrical connectors for main current

arrangement of electrical connectors for main current circuit

type of connectable conductor cross-sections

for main contacts

- solid or stranded

finely stranded with core end processing

• at AWG cables for main contacts

tightening torque

• for main contacts with screw-type terminals

design of screwdriver shaft size of the screwdriver tip

design of the thread of the connection screw

• for main contacts

screw-type terminals

Top and bottom

2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm²

2x (16 ... 12), 2x (14 ... 8)

2 ... 2.5 N·m Diameter 5 to 6 mm

Pozidriv size 2

M4

Safety related data

B10 value

with high demand rate according to SN 31920
 5 000

proportion of dangerous failures

with low demand rate according to SN 31920

with high demand rate according to SN 31920

failure rate [FIT]

with low demand rate according to SN 31920

T1 value for proof test interval or service life according to IEC 61508

protection class IP on the front according to IEC

touch protection on the front according to IEC 60529

display version for switching status

50 %

50 %

50 FIT

10 y

IP20

finger-safe, for vertical contact from the front

Handle

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



Test Certificates

Marine / Shipping





Special Test Certificate

Type Test Certificates/Test Report





Marine / Shipping













Confirmation

other

Railway



Confirmation

Vibration and Shock

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2321-4DC10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2321-4DC10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-4DC10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

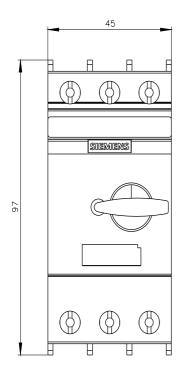
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2321-4DC10&lang=en

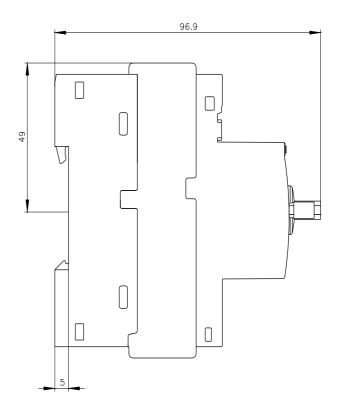
Characteristic: Tripping characteristics, I2t, Let-through current

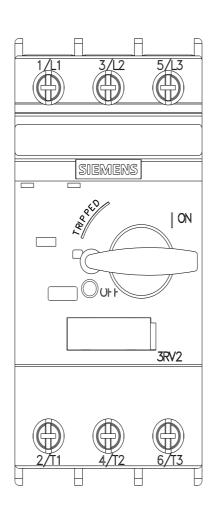
https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-4DC10/char

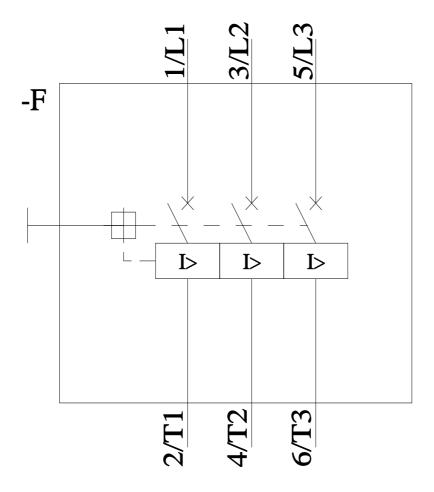
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2321-4DC10&objecttype=14&gridview=view1









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