SIEMENS

Data sheet 3RV2031-4SB15



Circuit breaker size S2 for motor protection class 20 A-release 9.5...14 A N-release 208 A screw terminal Standard switching capacity with transverse auxiliary switch 1 NO+1 NC

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S2
size of contactor can be combined company-specific	S2
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	12.5 W
at AC in hot operating state per pole	4.2 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation in networks with grounded star point	
 between main and auxiliary circuit 	400 V
 between main and auxiliary circuit 	400 V
shock resistance acc. to IEC 60068-2-27	25g / 11 ms Sinus
mechanical service life (switching cycles)	
 of the main contacts typical 	50 000
of auxiliary contacts typical	50 000
electrical endurance (switching cycles) typical	50 000
reference code acc. to IEC 81346-2	Q
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
 ambient temperature during operation 	-20 +60 °C
 ambient temperature during storage 	-50 +80 °C
 ambient temperature during transport 	-50 +80 °C
temperature compensation	-20 +60 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	9.5 14 A
operating voltage rated value	690 V
operating voltage at AC-3 rated value maximum	690 V
operating frequency rated value	50 60 Hz

Separational current at AC-3 at 400 V rated value 3 000 W 3 400 V rated value 5 500 W 4 4 600 V rated value 5 500 W 4 4 600 V rated value 1 1000 W 5 500 W 4 4 600 V rated value 1 1000 W 5 500 W 4 4 600 V rated value 1 1000 W 5 500 W 4 6 600 V rated value 1 1000 W 5 500 W 4 600 V rated value 1 1000 W 5 500 W 4 600 V rated value 1 1000 W 5 500 W 4 600 V rated value 1 1000 W 5 600 W 6 600 W		
a 20 V rated value	operational current rated value	14 A
	•	14 A
operating frequency at AC-3 maximum Auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts a comperational current of auxiliary contacts at AC-15 a ti 24 V a ti 230 V operational current of auxiliary contacts at DC-13 a ti 24 V a ti 60 V operational current of auxiliary contacts at DC-13 a ti 10 V operational current of auxiliary contacts at DC-13 a ti 10 V ot tip Class of Class 20 operational current of auxiliary contacts at DC-13 a ti 10 V ot tip Class Product function of ground fault detection of phase faller detection of the overload release breaking capacity operating short-circuit current (ics) at AC at 400 V rated value at 400 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at AC at 400 V rated value at AC at 400 V rated value at AC at 400 V rated value at AC at 900 V rated value at 900 V rated value at 900 V rated value at 900 V r		
Auxiliary circuit design of the auxiliary switch mumber of NC contacts for auxiliary contacts 1 1 1 1 1 1 1 1 1		
design of the auxiliary switch		15 1/h
number of NC contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 1 • at 24 V		
Dumber of NO contacts for auxillary contacts 2 A 3		
Sectional current of auxiliary contacts at AC-15	-	
at 24 V at 230 V 0.5 A	-	1
• at 230 V operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V • at 110 V • at 125 V • at 125 V • at 125 V • contactive and monitoring functions Product function • ground fault detection • ground fault detection • phase failure detection • phase failure detection • preaking capacity operating short-circuit current (Ics) at AC • at 240 V rated value • at 500 V rated value • at 600 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 590 V rated value • at 57600 V rated value • at 576		
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		0.5 A
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at 125 V at 220 V brotective and monitoring functions product function aground fault detection No phase failure detection Yes trip class Class 20 design of the overload release thermal breaking capacity operating short-circuit current (Ics) at 4C at 240 V rated value 100 kA at 400 V rated value 6 kA at 500 V rated value 3 kA breaking capacity maximum short-circuit current (Icu) at 600 V rated value 100 kA at 600 V rated value 6 kA at 600 V rated value 100 kA at AC at 240 V rated value 100 kA at AC at 240 V rated value 12 kA at AC at 500 V rated value 5 kA at AC at 500 V rated value 5 kA response value current of instantaneous short-circuit trip unit ULICSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 14 A at 600 V rated value 14 A yielded mechanical performance [Ip] for single-phase AC motor — at 110/120 V rated value 1.5 hp — at 230 V rated value 5 hp — at 200/208 V rated value 15 hp — at 200/208 V rated value 5 hp — at 200/208 V rated value 5 hp — at 575/600 V rated value 5 hp — at 575/600 V rated value 5 hp — at 575/600 V rated value 16 hp — at 60/400 V rated value 16 hp — at 575/600 V rated value 16 hp — at 60/400 V rated value 16 hp		
* at 220 V Protective and monitoring functions product function		
Protective and monitoring functions product function • ground fault detection • phase failure detection • phase failure detection Typ class design of the overload release 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 690 V rated value • at 690 V rated value • at 600 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at 400 V rated value • at 200 V rated value • at 200 V rated value • at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 400 V rated value • for 3-phase AC motor — at 400 V rated value • for 3-phase AC motor — at 575/600 V rated value • for 3-phase AC motor — at 575/600 V rated value • for 3-phase AC motor — at 400 V rated value • for 3-phase AC motor — at 575/600 V rated value • for 3-phase AC motor — at 575/600 V rated value • for 3-phase AC motor — at 575/600 V rated value • for 3-phase AC motor — at 575/600 V rated v		
product function ground fault detection phase failure detection yes trip class Class 20 design of the overload release breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value at 400 V rated value at 690 V rated value at 690 V rated value at AC at 400 V rated value at AC at 400 V rated value at AC at 400 V rated value breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value breaking capacity maximum short-circuit current (Icu) at AC at 400 V rated value breaking capacity maximum short-circuit current (Icu) at AC at 400 V rated value breaking capacity maximum short-circuit trip unit breaking capacity of vated value breaking capacity of va		UA
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trip class design of the overload release braking capacity operating short-circuit current (ics) at AC • at 240 V rated value • at 4500 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 2500 V rated value • at AC at 260 V rated value • at AC at 260 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at 600 V rated value • at 200 V rated value • at 200 V rated value • at 200 V rated value • for single-phase AC motor • at 230 V rated value • for 3-phase AC motor • at 220/230 V rated value • for 3-phase AC motor • at 220/208 V rated value • for 3-phase AC motor • at 460/480 V rated value • for 3-phase AC motor • at 460/480 V rated value • for 3-phase AC motor • at 460/480 V rated value • for 3-phase AC motor • at 575/600 V rated value • for 3-phase AC motor • at 460/480 V rated value • for 3-phase AC motor • at 460/480 V rated value • for 3-phase AC motor • at 460/480 V rated value • for 3-phase AC motor • at 575/600 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC motor • at 60/480 V rated value • for 3-phase AC mot		
design of the overload release 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 690 V rated value at 600 V rated value at 600 V rated value at AC at 240 V rated value at AC at 240 V rated value at AC at 240 V rated value breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 690 V rated value breaking 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 800 V rated value at 800 V rated value breaking capacity maximum short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 800 V rated value at 300 V rated value breaking capacity maximum short-circuit trip at 200 V rated value at 230 V rated value breaking capacity maximum short-circuit trip at 200/230 V rated value breaking capacity maximum short-circuit trip at 200/230 V rated value breaking capacity maximum short-circuit protection at 200/230 V rated value breaking capacity maximum short-circuit protection at 460 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200 V rated value breaking capacity maximum short-circuit protection at 200	•	
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at AC at 240 V rated value at 400 V rated value 30 kA at 500 V rated value 6 kA at 690 V rated value 31 kA breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value 65 kA at AC at 690 V rated value 65 kA at AC at 690 V rated value 12 kA at AC at 690 V rated value 55 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 14 A at 680 V rated value 15 kA yelded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 15 kp — at 230 V rated value 15 kp — at 230 V rated value 15 kp — at 200/208 V rated value 16 or 3-phase AC motor — at 200/208 V rated value 17 kp — at 200/208 V rated value 18 kp — at 260/480 V rated value 19 kp — at 460/480 V rated value 10 kp — at 575/600 V rated value 15 kp Contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection 4 kg magnetic		thermal
at 400 V rated value at 500 V rated value at 600 V rated value at AC at 240 V rated value at AC at 500 V rated value at AC at 690 V rated value breaking capacity maximum short-circuit current (Icu) at AC at 500 V rated value at AC at 500 V rated value breaking capacity 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 breaking capacity of instantaneous short-circuit trip at 600 V rated value breaking capacity of instantaneous short-circuit trip at 600 V rated value breaking capacity of instantaneous short-circuit trip at 200/208 V rated value breaking capacity of instantaneous short-circuit trip at 200/208 V rated value breaking capacity of instantaneous short-circuit protection at 460/480 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip at 600 V rated value capacity of at 460 value of the short-circuit trip at 600 V rated value contact rating of auxiliary contacts according to UL short-circuit protection product function short circuit protection magnetic		
• at 500 V rated value • at 690 V rated value breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value Tesponse value current of instantaneous short-circuit trip unit UL/CSA ratings	at 240 V rated value	100 kA
• at 690 V rated value breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value	 at 400 V rated value 	30 kA
breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC 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 • at 600 V rated value in of ro single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 26/830 V rated value • for 3-phase AC motor — at 270/208 V rated value • for 3-phase AC motor — at 270/208 V rated value • for 3-phase AC motor — at 270/208 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 250/208 V rated value • for 3-phase AC motor — at 250/208 V rated value • for 3-phase AC motor — at 250/208 V rated value • for 3-phase AC motor — at 250/208 V rated value • for 3-phase AC motor — at 250/208 V rated value • for 3-phase AC motor — at 250/208 V rated value • for 3-phase AC motor • for 3-phase AC mo		
at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value at AC 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 690 V rated value at 690 V rated value be at 600 V rated value at 690 V rated value be at 600 V rated value at 690 V rated value be of or single-phase AC motor at 110/120 V rated value at 230 V rated value be for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value be for 3-phase AC motor at 220/230 V rated value be for 3-phase AC motor at 200/208 V rated value be for 3-phase AC motor at 250/600 V rated value be for 3-phase AC motor at 260/230 V rated value be at 250/600 V rated value be for 3-phase AC motor at 250		3 kA
at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value at AC 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 bfor single-phase AC motor at 110/120 V rated value at 230 V rated value at 230 V rated value bfor 3-phase AC motor at 220/230 V rated value at 220/230 V rated value bfor 3-phase AC motor at 220/230 V rated value at 2575/600 V rated value bfor 3-phase AC motor at 250/480 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 15 hp bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 10 hp bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 10 hp bfor 3-phase AC motor at 10 hp bfor 3-phase AC motor at 250/500 V rated value bfor 3-phase AC motor at 10 hp bfor 3-pha		
 at AC at 500 V rated value at AC at 690 V rated value 5 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 at 600 V rated value for single-phase AC motor at 110/120 V rated value for single-phase AC motor at 230 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value bhp at 460/480 V rated value bhp at 575/600 V rated value thp contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic 		
at AC 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 bfor single-phase AC motor at 110/120 V rated value at 230 V rated value bfor 3-phase AC motor at 230 V rated value bfor 3-phase AC motor at 220/230 V rated value bfor 3-phase AC motor at 220/230 V rated value bfor 3-phase AC motor at 220/230 V rated value bfor 3-phase AC motor at 2575/600 V		
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 • for single-phase AC motor — at 110/120 V rated value • for single-phase AC motor — 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 575/600 V rated value —		
unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — 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 575/600 V rated value — at 575/6		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 14 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1.5 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 5 hp — at 460/480 V rated value 10 hp — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip 14 A 14 A 14 A 14 A 14 A 15 hp 16 hp 17 hp 18 hp 19 contact value 10 hp 10 hp 15 hp 15 hp 16 contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection yes magnetic	·	208 A
 at 480 V rated value at 600 V rated value 14 A yielded mechanical performance [hp] for single-phase AC motor	UL/CSA ratings	
• at 600 V rated value 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 — at 575/600 V rated value — at 575/600 V rated value To hp contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip 14 A 14 A 14 A 14 A 15 hp 1.5 hp 5 hp 6 hp 10 hp 10 hp 15 hp 17 contact rating of auxiliary contacts according to UL C300 / R300	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — 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 5 hp — at 460/480 V rated value 10 hp — at 575/600 V rated value 15 hp contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic	• at 480 V rated value	
for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip 1.5 hp 5 hp 1.5 hp 5 hp 1.5 hp 5 hp 1.5 hp		14 A
- at 110/120 V rated value 1.5 hp - at 230 V rated value 5 hp - at 200/208 V rated value 5 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp - at 575/600 V rated value 15 hp contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip 1.5 hp 5 hp 5 hp 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	yielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value 5 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp - at 575/600 V rated value 15 hp contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip 3 hp 5 hp 5 hp C300 / R300	 for single-phase AC motor 	
for 3-phase AC motor — at 200/208 V rated value	— at 110/120 V rated value	1.5 hp
- at 200/208 V rated value 5 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp - at 575/600 V rated value 15 hp contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic	— at 230 V rated value	3 hp
- at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp - at 575/600 V rated value 15 hp contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic	 for 3-phase AC motor 	
- at 460/480 V rated value - at 575/600 V rated value 15 hp contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection product function short circuit protection design of the short-circuit trip 10 hp 15 hp 16 c300 / R300	— at 200/208 V rated value	5 hp
— at 575/600 V rated value 15 hp contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic	— at 220/230 V rated value	5 hp
contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip C300 / R300 Yes magnetic	— at 460/480 V rated value	·
Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic		•
product function short circuit protection design of the short-circuit trip magnetic	contact rating of auxiliary contacts according to UL	C300 / R300
design of the short-circuit trip magnetic	Short-circuit protection	
	product function short circuit protection	Yes
design of the fuse link	design of the short-circuit trip	magnetic
accign of the face filts	design of the fuse link	



design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 500 V • at 600 V • at 500 V • at 500 V • at 600 V	for short-circuit protection of the auxiliary switch required	fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)
• at 400 V		
• at 500 V	• at 240 V	none required
natalitation/mounting/ dimensions	• at 400 V	100
mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm depth width 65 mm depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 50 Nm — at the side • for live parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — of main contacts — at the side • for grounded parts at 500 V — downwards — ownwards	• at 500 V	80
mounting position sary screw and snap-on mounting onto 35 mm standard mounting rail secording to DIN EN 60715 secording to DIN EN 60	• at 690 V	63
Astening method according to DIN EN 60715 to mm	Installation/ mounting/ dimensions	
height 140 mm width 55 mm depth 150 mm required spacing • for grounded parts at 400 V — downwards 50 mm — upwards 50 mm — upwards 50 mm — at the side 10 mm — ownwards 50 mm — at the side 10 mm • for grounded parts at 500 V — downwards 50 mm — at the side 10 mm • for grounded parts at 500 V — downwards 50 mm — at the side 10 mm • for grounded parts at 500 V — downwards 50 mm — upwards 50 mm — upwards 50 mm — at the side 10 mm • for live parts at 500 V — downwards 50 mm — at the side 10 mm • for live parts at 500 V — downwards 50 mm — at the side 10 mm • for prounded parts at 880 V — downwards 50 mm — at the side 10 mm • for for journed parts at 880 V — downwards 50 mm — at the side 10 mm • for five parts at 690 V — downwards 50 mm — backwards 0 mm • for live parts at 690 V — downwards 50 mm — backwards 0 mm • for live parts at 690 V — downwards 50 mm • for live parts at 690 V — downwards 50 mm • for live parts at 690 V — downwards 50 mm • for live parts at 690 V — downwards 50 mm • for live parts at 690 V — downwards 50 mm • for live parts at 690 V — downwards 50 mm • for main current circuit 50 mm • the side 10 mm • for main current circuit 50 mm • for main cu	mounting position	any
Meight M		screw and snap-on mounting onto 35 mm standard mounting rail
width		according to DIN EN 60715
depth required spacing e for grounded parts at 400 V downwards 50 mm upwards 50 mm upward	height	140 mm
required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — the side • for live parts at 400 V — downwards — upwards — the side • for grounded parts at 500 V — downwards — upwards — upwards — upwards — the side • for live parts at 500 V — downwards — the side • for live parts at 500 V — downwards — the side • for five parts at 500 V — downwards — upwards — upwards — the side • for grounded parts at 690 V — downwards — the side • for grounded parts at 690 V — downwards — the side • for grounded parts at 690 V — downwards — the side • for live parts at 690 V — downwards — upwards — backwards — upwards — backwards — the side — to many • for live parts at 690 V — downwards • for live parts at 690 V — downwards — the side — the side — to many • for wards • for live parts at 690 V — downwards • for live parts at 690 V — downwards — the side	width	55 mm
• for grounded parts at 400 V	depth	149 mm
downwards 50 mm upwards 50 mm at the side 10 mm of rilve parts at 400 V downwards 50 mm upwards 50 mm at the side 10 mm of rorgounded parts at 500 V downwards 50 mm upwards 50 mm upwards 50 mm at the side 10 mm of rilve parts at 500 V downwards 50 mm at the side 10 mm of rilve parts at 500 V downwards 50 mm upwards 50 mm upwards 50 mm at the side 10 mm of rorgounded parts at 690 V downwards 50 mm upwards 50 mm at the side 10 mm of ownwards 50 mm upwards 50 mm upwards 50 mm bockwards 0 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm bockwards 0 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm to rilve parts at 690 V downwards 50 mm		
- upwards - at the side for live parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - upwards - upwards - upwards - upwards - upwards - at the side for live parts at 500 V - downwards - at the side for live parts at 500 V - downwards - upwards - at the side for grounded parts at 690 V - downwards - upwards - at the side for grounded parts at 690 V - downwards - upwards - backwards - upwards - or mm - at the side - for live parts at 690 V - downwards - at the side - for wards - upwards - or mm - upwards - or mm - or main current circuit - for mai	 for grounded parts at 400 V 	
- at the side	— downwards	50 mm
of for live parts at 400 V — downwards	- P	
- downwards 50 mm - upwards 50 mm - at the side 10 mm • for grounded parts at 500 V - downwards 50 mm - upwards 50 mm - at the side 10 mm • for live parts at 500 V - downwards 50 mm - at the side 10 mm • for grounded parts at 600 V - downwards 50 mm - at the side 10 mm • for rive parts at 600 V - downwards 50 mm - at the side 10 mm • for rive parts at 600 V - downwards 50 mm - at the side 10 mm • for live parts at 600 V - downwards 50 mm - at the side 10 mm • for rive parts at 600 V - downwards 0 mm • for live parts at 600 V - downwards 0 mm • for main current circuit screw-type terminals rarrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded 12x (1 25 mm²), 1x (1 35 mm²) - at AWG cables for main contacts type of connectable conductor cross-sections • for main cabacts - solid or stranded 2x (1 25 mm²), 1x (1 25 mm²) - at AWG cables for main contacts type of connectable conductor cross-sections • for onnectable conductor cross-sections • for onnectable conductor cross-sections • for onnectable conductor cross-sections • for aut AWG cables for main contacts - solid or stranded 2x (1 25 mm²), 1x (1 25 mm²) - at AWG cables for main contacts - solid or stranded 2x (1 25 mm²), 1x (1 25 mm²) - at AWG cables for main contacts - solid or stranded 2x (1 25 mm²), 1x (1 25 mm²)		10 mm
- upwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side • for live parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - at the side - at the side - at the side • for grounded parts at 690 V - downwards - at the side - for grounded parts at 690 V - downwards - upwards - upwards - upwards - backwards - upwards - backwards - at the side - forwards - for live parts at 690 V - downwards - at the side - forwards - upwards - tifle parts at 690 V - downwards - to mm -	•	
- at the side	— downwards	50 mm
• for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — upwards — upwards — upwards — upwards — backwards — upwards — backwards — onm — or forwards — of or live parts at 690 V — downwards — 50 mm — backwards — onm — onm • for live parts at 690 V — downwards — forwards — onm • for live parts at 690 V — downwards — onm • for live parts at 690 V — downwards — backwards — upwards — onm • for live parts at 690 V — downwards — onm • for live parts at 690 V — downwards — onm • for live parts at 690 V — one councies to the side — onm • for live parts at 690 V — one councies to the side — onm • for live parts at 690 V — one councies to the side — onm • for live parts at 690 V — one councies to the side — onm • for main current circuit • for auxiliary and control circuit * for auxiliary and control circuit * screw-type terminals * sc	— upwards	50 mm
- downwards 50 mm - upwards 50 mm - at the side 10 mm • for live parts at 500 V - downwards 50 mm - upwards 50 mm - at the side 10 mm • for grounded parts at 690 V - downwards 50 mm - downwards 50 mm - upwards 50 mm - backwards 0 mm - at the side 10 mm - forwards 0 mm - at the side 10 mm • for live parts at 690 V - downwards 50 mm - backwards 0 mm - at the side 10 mm - forwards 0 mm • for live parts at 690 V - downwards 50 mm - omm • for live parts at 690 V - downwards 0 mm • for live parts at 690 V - downwards 50 mm - upwards 50 mm - backwards 0 mm - backwards 0 mm - omm - om	— at the side	10 mm
- upwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards • for grounded parts at 690 V - downwards - upwards - upwards - backwards - backwards - to filive parts at 690 V - downwards - 50 mm - at the side - forwards - o mm - at the side - forwards • for live parts at 690 V - downwards - to filive parts at 690 V - downwards - to mm - forwards - upwards - upwards - upwards - upwards - backwards - upwards - backwards - upwards - o mm - forwards - o mm - forwards - for main current circuit - for auxiliary and control circuit type of electrical connection • for main current circuit - for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing - at AWC cables for main contacts type of connectable conductor cross-sections	 for grounded parts at 500 V 	
- at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards - forwards • for live parts at 690 V - downwards - backwards - backwards - backwards - backwards - backwards - backwards - forwards - forwards - for main content circuit • for auxiliary and control circuit - for main current circuit - for main contacts - solid or stranded - finely stranded - at AWG cables for main contacts - at Ithe side - forwards - type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - type of connectable conductor cross-sections • for main contacts - type of connectable conductor cross-sections • at AWG cables for main contacts - type of connectable conductor cross-sections	— downwards	50 mm
• for live parts at 500 V — downwards — upwards 50 mm — at the side 10 mm • for grounded parts at 690 V — downwards 50 mm • for grounded parts at 690 V — downwards 50 mm — upwards 50 mm — backwards — backwards — for live parts at 690 V — downwards 50 mm • for live parts at 690 V — downwards 50 mm • for live parts at 690 V — downwards 50 mm • for live parts at 690 V — downwards 50 mm — upwards — backwards — upwards — backwards — o mm • forwards — at the side — forwards O mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit screw-type terminals Top and bottom type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded — finely stranded with core end processing • at AWG cables for main contacts 2x (1 25 mm²), 1x (1 25 mm²) 2x (18 3), 1x (18 25 mm²) 2x (18 3), 1x (18 25 mm²)	— upwards	50 mm
- downwards - upwards - at the side - of or grounded parts at 690 V - downwards - upwards - upwards - upwards - backwards - backwards - for wards - for wards - for wards - omm - at the side - forwards - upwards - for live parts at 690 V - downwards - upwards - omm - the side - forwards - upwards - at the side - forwards - at the side - forwards - omm - omm - the side - forwards - omm - the side - forwards - omm - t	— at the side	10 mm
- upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards - at the side - forwards - at the side - forwards • for live parts at 690 V - downwards - to mm - to mm - forwards - upwards - for live parts at 690 V - downwards - upwards - upwards - backwards - backwards - to mm - to rowards - the side - forwards - o mm - orwards - at the side - forwards - o mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit screw-type terminals - forwards - for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - at AWG cables for main contacts - type of connectable conductor cross-sections type of connectable conductor cross-sections type of connectable conductor cross-sections at AWG cables for main contacts - at AWG cables for main contacts - at AWG cables for main contacts - type of connectable conductor cross-sections	 for live parts at 500 V 	
- at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards - upwards • for live parts at 690 V - downwards - backwards - upwards - backwards - at the side - forwards 0 mm - at the side - forwards 0 mm - at the side - forwards 0 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main curtacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts type of connectable conductor cross-sections • type of connectable conductor cross-sections type of connectable conductor cross-sections • type of connectable conductor cross-sections • type of connectable conductor cross-sections • type of connectable conductor cross-sections	— downwards	50 mm
for grounded parts at 690 V — downwards — upwards — backwards — at the side — forwards — forwards — of mm — downwards — upwards — upwards — backwards — backwards — at the side — forwards — of mm — forwards — of mm — forwards — of mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit screw-type terminals 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 type of connectable conductor cross-sections e at AWG cables for main contacts 10 mm No No No 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 16 mm²), 1x (1 25 mm²) 2x (1 16 mm²), 1x (1 25 mm²)	— upwards	50 mm
- downwards 50 mm - upwards 50 mm - backwards 0 mm - at the side 10 mm - forwards 0 mm • for live parts at 690 V - downwards 50 mm - upwards 50 mm - upwards 50 mm - upwards 50 mm - backwards 0 mm - at the side 10 mm - forwards 0 mm - at the side 0 mm - at the side 10 mm - forwards 0 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit screw-type terminals 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 2x (1 16 mm²), 1x (1 25 mm²) • at AWG cables for main contacts 2x (18 3), 1x (18 2) type of connectable conductor cross-sections	— at the side	10 mm
- upwards - backwards - at the side - forwards o mm • for live parts at 690 V - downwards - upwards - backwards - upwards - upwards - backwards - backwards - at the side - forwards 0 mm - at the side - forwards 0 mm - at the side - forwards 0 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit 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 type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections	 for grounded parts at 690 V 	
- backwards - at the side - for wards - for live parts at 690 V - downwards - upwards - backwards - upwards - backwards - the side - for main corrent circuit - for main contacts - solid or stranded - sol or stranded - sol of stranded - finely stranded with core end processing - at the side - finely stranded conductor cross-sections - finely stranded with core end processing - at AWG cables for main contacts - for main contacts - sol of main contacts - sol of or main contacts - sol of or main contacts - sol of or stranded of conductor cross-sections - sol of or main contacts - sol of	— downwards	50 mm
- at the side - forwards 0 mm • for live parts at 690 V - downwards 50 mm - upwards 50 mm - backwards 0 mm - at the side 10 mm 0 mm - at the side 0 mm - at the side 0 mm - forwards 0 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit 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 type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections	— upwards	50 mm
forwards • for live parts at 690 V downwards upwards upwards backwards at the side forwards omm om	— backwards	0 mm
for live parts at 690 V — downwards — upwards — backwards — at the side — forwards — forwards Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit 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 type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections • to main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts type of connectable conductor cross-sections • to main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts type of connectable conductor cross-sections	— at the side	10 mm
- downwards - upwards - backwards - at the side - forwards Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit 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 type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections	— forwards	0 mm
- upwards - backwards - at the side - forwards Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit 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 type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections • at AWG cables for main contacts - solid connectable conductor cross-sections • at AWG cables for main contacts - solid connectable conductor cross-sections • at AWG cables for main contacts - solid connectable conductor cross-sections	 for live parts at 690 V 	
- backwards 0 mm - at the side 10 mm - forwards 0 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals 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 type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections	— downwards	50 mm
- at the side - forwards Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit 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 type of connectable conductor cross-sections 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 16 mm²), 1x (1 25 mm²) 2x (1 25 mm²) 2x (1 25 mm²) 2x (1 25 mm²) 2x (1 25 mm²)	— upwards	50 mm
— forwards 0 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded 2x (1 25 mm²), 1x (1 35 mm²) — finely stranded with core end processing 2x (1 16 mm²), 1x (1 25 mm²) • at AWG cables for main contacts 2x (18 3), 1x (18 2) type of connectable conductor cross-sections	— backwards	0 mm
product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit 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 type of connectable conductor cross-sections 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 16 mm²), 1x (1 25 mm²) 2x (1 25 mm²), 1x (1 25 mm²) 2x (1 16 mm²), 1x (1 25 mm²)	— at the side	10 mm
product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit 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 type of connectable conductor cross-sections • at AWG cables for main contacts type of connectable conductor cross-sections • at AWG connectable conductor cross-sections	— forwards	0 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit 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 type of connectable conductor cross-sections 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 16 mm²), 1x (1 25 mm²) 2x (1 25 mm²) 2x (1 16 mm²), 1x (1 25 mm²)	Connections/ Terminals	
 for main current circuit for auxiliary and control circuit 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 type of connectable conductor cross-sections 		No
 for main current circuit for auxiliary and control circuit 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 type of connectable conductor cross-sections 	type of electrical connection	
 ◆ for auxiliary and control circuit 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 type of connectable conductor cross-sections 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 16 mm²), 1x (1 25 mm²) 2x (18 3), 1x (18 2) type of connectable conductor cross-sections		screw-type terminals
arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	for auxiliary and control circuit	
 for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 16 mm²), 1x (1 25 mm²) 2x (18 3), 1x (18 2) 		Top and bottom
 for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 16 mm²), 1x (1 25 mm²) 2x (18 3), 1x (18 2) 	type of connectable conductor cross-sections	
 — finely stranded with core end processing ■ at AWG cables for main contacts 2x (1 16 mm²), 1x (1 25 mm²) 2x (18 3), 1x (18 2) type of connectable conductor cross-sections 		
 — finely stranded with core end processing ■ at AWG cables for main contacts 2x (1 16 mm²), 1x (1 25 mm²) 2x (18 3), 1x (18 2) type of connectable conductor cross-sections 	— solid or stranded	2x (1 25 mm²), 1x (1 35 mm²)
• at AWG cables for main contacts 2x (18 3), 1x (18 2) type of connectable conductor cross-sections	 finely stranded with core end processing 	
type of connectable conductor cross-sections		
	type of connectable conductor cross-sections	
	for auxiliary contacts	



— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
 tightening torque for main contacts with screw-type terminals 	3 4.5 N·m
 tightening torque for auxiliary contacts with screw- type terminals 	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv 2
design of the thread of the connection screw	
 for main contacts 	M6
 of the auxiliary and control contacts 	M3
Safety related data	
B10 value	
■ with high demand rate acc. to SN 31920	5 000
	5 000
with high demand rate acc. to SN 31920	5 000 50 %
with high demand rate acc. to SN 31920 proportion of dangerous failures	
with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920	50 %
 with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 	50 %
with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT]	50 % 50 %
with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 T1 value for proof test interval or service life acc. to	50 % 50 % 50 FIT
with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 T1 value for proof test interval or service life acc. to IEC 61508	50 % 50 % 50 FIT 10 y
with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 T1 value for proof test interval or service life acc. to IEC 61508 protection class IP on the front acc. to IEC 60529	50 % 50 % 50 FIT 10 y

General Product Approval

Declaration of Conformity













Declaration	of
Conformity	

Test Certificates

Marine / Shipping

Miscellaneous

Special Test Certificate Type Test
Certificates/Test
Report







Marine / Shipping







Confirmation

other



Railway

Vibration and Shock

Confirmation



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=3RV2031-4SB15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2031-4SB15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2031-4SB15

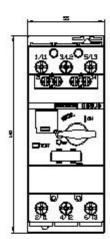
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

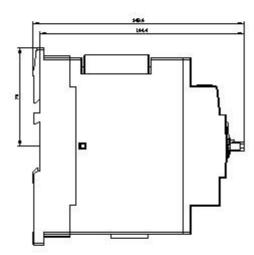
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2031-4SB15&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

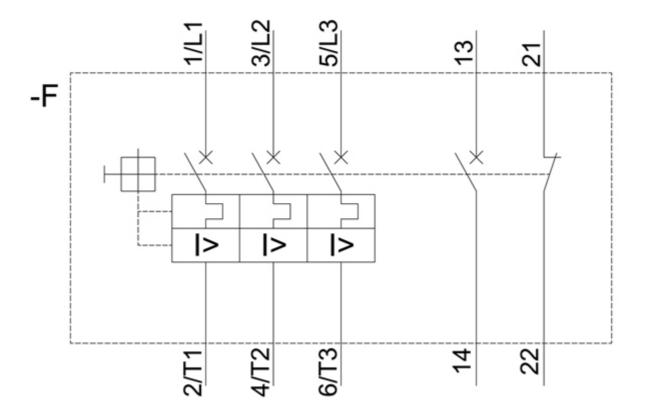
https://support.industry.siemens.com/cs/ww/en/ps/3RV2031-4SB15/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2031-4SB15&objecttype=14&gridview=view1









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