SIEMENS

Data sheet

3RV2331-4KC10



Circuit breaker size S2 for starter combination Rated current 73 A N-release 949 A screw terminal Standard switching capacity

product brand name SIRIUS design of the product For starter combinations product dype designation 3RV2 General technical data		
design of the product For starter combinations product type designation 3RV2 General technical data S2 size of the circuit-breaker S2 size of the circuit-breaker S2 product extension auxiliary switch Yes power loss [W] for rated value of the current 29.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state 29.5 W • surge voltage resistance rated value 680 V surge voltage resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of the main contacts typical 20 000 e of availiary contacts typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 200 m mathemating stratege -50 +80 °C relative humidity during operation -50 +80 °C • during storage -50 +80 °C	product brand name	SIRIUS
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 et A C in hot operating state per pole 9.8 W et A C in hot operating state per pole 9.8 W 680 V surge voltage resistance rated value 6 kV 52 shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus 5000 e of the main contacts typical 20 000 6 kV 5000 e of the main contacts typical 20 000 20 000 7000 electrical endurance (switching cycles) typical 20 000 7000 7000 efference code according to IEC 8136-2 Q 0000 7000 70000 efference code according to IEC 8136-2 Q 0000 70000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000	product designation	Circuit breaker
General technical data Size of the circuit-breaker S2 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 4 AC in hot operating state • at AC in hot operating state prole 9.8 W insulation voltage with degree of pollution 3 at AC rated 690 V surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2:27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 • of auxiliary contacts typical 20 000 reference code according to IEC 81346-2 Q Guing operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C • during transport -50 +80 °C relative humidity during operation 3 • at AC-3 rated value 50 60 VC • at AC-3 rated value 50 60 V • at AC-3 rated value 50 60 Hz operation frequency rated value 73 A	design of the product	For starter combinations
size of the circuit-breaker S2 size of contactor can be combined company-specific product extension auxiliary switch Yes power loss [W] for rated value of the current S2.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state per pole 9.8 W insultation voltage with degree of pollution 3 at AC rated 690 V value 6 kV shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of auxiliary contacts typical 20 000 • ectra according to IEC 80068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of auxiliary contacts typical 20 000 • ectra according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 1096 °C • during operation -20 +60 °C • during storage -50 +80 °C • during torage -50 +80 °C <		3RV2
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 29.5 W • at AC in hot operating state per pole 9.8 W insulation voltage with degree of pollution 3 at AC rated 980 V surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of the main contacts typical 20 000 • of the main contacts typical 20 000 e daring operation 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -50 +60 °C • during operation 1095 % Main circuit 3 number of poles for main current circuit 3 operating requency rated value 20 690 V • at AC-3 rated value 20 690 V • at AC-3 rated value 20 690 V • at AC-3 rated value 20 690 V • perational current 690 V	General technical data	
product extension auxiliary switch Yes power loss [W] for rated value of the current 29.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state per pole 9.8 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 Sinus mechanical service life (switching cycles) 0000 • of the main contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 electrical endurance (switching cycles) typical 20 000 substance Prohibitance (Date) 03/01/2017 Ambient conditions -20 +60 °C installation altitude at height above sea level maximum 2 000 m ambient tomperature -20 +60 °C • during transport -50 +60 °C • during transport -50 +60 °C • during transport -50 +60 °C • at AC-3 rated value 20 690 V • at AC-3 rated value maximum 30 operational current 690 V	size of the circuit-breaker	S2
power loss [W] for rated value of the current 29.5 W • at AC in hot operating state 9.8 W insultation 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 Sinus mechanical service life (switching cycles) 6 kV • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating requency rated value 20 600 V • at AC-3 rated value maximum 690 V operational current 690 V operati	size of contactor can be combined company-specific	S2
• at AC in hot operating state per pole 9.8 W • at AC in hot operating state per pole 9.8 W insulation voltage with degree of pollution 3 at AC rated 690 V surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2:27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 • of the main contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during torage -50 +80 °C • during torage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 operating requency rated value 20 690 V • at AC-3 rated value maximum 690 V operational current rated value 73 A operational current 73 A operational current	product extension auxiliary switch	Yes
• at AC in hot operating state per pole 9.8 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 Sinus mechanical service life (switching cycles) 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 electrical endurance (switching cycles) typical 0 30/01/2017 Ambient conditions 0 30/01/2017 installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +80 °C • during strage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 operating voltage -60 V • at AC-3 rated value 50 60 Hz operational current rated value 73 A operational current -73 A operating power -73 A	power loss [W] for rated value of the current	
insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV shock resistance according to EC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to EC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m anbient storage -50 +60 °C • during storage -50 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating roltage 50 60 V • at AC-3 rated value 20 690 V • at AC-3 rated value 50 60 Hz operational current 73 A operational current 73 A operationg power 73 A	 at AC in hot operating state 	29.5 W
value 6 kV shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service IIfe (switching cycles) 20 000 • of the main contacts typical 20 000 e of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 electrical endurance (switching cycles) typical 20 000 substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -60 °C • during operation -20 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating rotque 50 60 V e at AC-3 rated value 20 690 V operational current rated value 73 A operational current rated value 73 A operating power 73 A	 at AC in hot operating state per pole 	9.8 W
shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 000 • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 20 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • at AC-3 rated value maximum 690 V operational current 50 600 Hz operational current 73 A operational current 73 A operational current 73 A operationg power 73 A		690 V
mechanical service life (switching cycles) 20 000 • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude a height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage - • rated value 20 690 V • at AC-3 rated value maximum 690 V operational current rated value 57 480 °C • operational current rated value 73 A operational current 73 A operating power 73 A	surge voltage resistance rated value	6 kV
• of the main contacts typical20 000• of auxiliary contacts typical20 000electrical endurance (switching cycles) typical20 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)03/01/2017Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-20 +60 °C• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3operating voltage20 690 V• at AC-3 rated value maximum690 Voperational current rated value73 Aoperational current-73 Aoperating power73 A	shock resistance according to IEC 60068-2-27	25g / 11 ms Sinus
• of auxiliary contacts typical20 000electrical endurance (switching cycles) typical20 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)03/01/2017Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-20 +60 °C• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3operating voltage-690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 600 Hzoperatingal current-73 A• at AC-3 at 400 V rated value73 Aoperating power-73 A	mechanical service life (switching cycles)	
electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 50 60 V • at AC-3 rated value 50 60 Hz operating lency rated value 73 A operating power 73 A	 of the main contacts typical 	20 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current -73 A operating power 73 A	 of auxiliary contacts typical 	20 000
Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A	electrical endurance (switching cycles) typical	20 000
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • at AC-3 rated value 50 600 V operating frequency rated value 50 60 Hz operational current rated value 73 A operational current -3 A operating power 73 A	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 operating voltage -20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current -3 A operational current -3 A operational current -3 A operating power -73 A	Substance Prohibitance (Date)	03/01/2017
ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A	Ambient conditions	
• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3operating voltage-• rated value20 690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value73 Aoperational current-• at AC-3 at 400 V rated value73 A	installation altitude at height above sea level maximum	2 000 m
• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3operating voltage20 690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value73 Aoperating power73 A	ambient temperature	
• during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A	 during operation 	-20 +60 °C
relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • rated value 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A	 during storage 	-50 +80 °C
Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • rated value 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A	 during transport 	-50 +80 °C
number of poles for main current circuit 3 operating voltage 20 690 V • rated value 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A	relative humidity during operation	10 95 %
operating voltage• rated value• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value• at AC-3 at 400 V rated value73 Aoperating power	Main circuit	
 rated value at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A 	number of poles for main current circuit	3
• at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operational current 73 A operating power 73 A	operating voltage	
operating frequency rated value 50 60 Hz operational current rated value 73 A operational current 73 A • at AC-3 at 400 V rated value 73 A operating power 73 A	 rated value 	20 690 V
operational current rated value 73 A operational current 73 A • at AC-3 at 400 V rated value 73 A operating power 73 A	 at AC-3 rated value maximum 	690 V
operational current 73 A • at AC-3 at 400 V rated value 73 A operating power 73 A	operating frequency rated value	50 60 Hz
• at AC-3 at 400 V rated value 73 A operating power	operational current rated value	73 A
operating power	operational current	
	at AC-3 at 400 V rated value	73 A
• at AC-3	operating power	
	• at AC-3	

 — at 230 V rated value 	
- al 250 V faled value	22 kW
— at 400 V rated value	37 kW
— at 500 V rated value	45 kW
— at 690 V rated value	55 kW
operating frequency	
• at AC-3 maximum	15 1/h
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
 ground fault detection 	No
phase failure detection	No
breaking capacity maximum short-circuit current (lcu)	
 at AC at 240 V rated value 	100 kA
 at AC at 400 V rated value 	65 kA
 at AC at 500 V rated value 	8 kA
• at AC at 690 V rated value	4 kA
breaking capacity operating short-circuit current (lcs)	
at AC	
at 240 V rated value	100 kA
at 400 V rated value	30 kA
at 500 V rated value	5 kA
at 690 V rated value	2 kA
response value current of instantaneous short-circuit trip unit	949 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	65 A
• at 600 V rated value	62 A
yielded mechanical performance [hp]	
 for 3-phase AC motor 	
— at 200/208 V rated value	20 hp
— at 220/230 V rated value	25 hp
— at 460/480 V rated value	50 hp
— at 575/600 V rated value	60 hp
— at 575/600 V rated value Short-circuit protection	60 hp
	60 hp Yes
Short-circuit protection	
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	Yes
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	Yes magnetic
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 240 V	Yes magnetic none required
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 240 V • at 400 V	Yes magnetic none required 160
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 240 V • at 400 V • at 500 V	Yes magnetic none required 160 125
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 240 V • at 400 V • at 500 V • at 690 V	Yes magnetic none required 160
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 240 V • at 400 V • at 500 V • at 690 V	Yes magnetic none required 160 125 100
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 240 V • at 400 V • at 500 V • at 690 V	Yes magnetic none required 160 125 100
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — upwards	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V - at the side - at the side • for live parts at 400 V	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm
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 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side	Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 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				
— upwards	50 mm				
— at the side	10 mm				
 for grounded parts at 690 V 					
— 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				
— backwards	0 mm				
— at the side	10 mm				
— forwards	0 mm				
Connections/ Terminals					
type of electrical connection					
for main current circuit	screw-type terminals				
arrangement of electrical connectors for main current circuit	Top and bottom				
type of connectable conductor cross-sections					
 for main contacts 					
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)				
 finely stranded with core end processing 	2x (1 25 mm²), 1x (1 35 mm²)				
 at AWG cables for main contacts 	2x (18 2), 1x (18 1)				
tightening torque					
 for main contacts with screw-type terminals 	3 4.5 N·m				
design of screwdriver shaft	Diameter 5 to 6 mm				
size of the screwdriver tip	Pozidriv size 2				
design of the thread of the connection screw					
for main contacts	M6				
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	50 %				
 with high demand rate according to SN 31920 with high demand rate according to SN 31920 	50 %				
failure rate [FIT]					
	50 FIT				
with low demand rate according to SN 31920 T1 value for proof test interval or service life according to	10 y				
IEC 61508					
protection class IP on the front according to IEC 60529	IP20				
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front				
display version for switching status	Handle				
Certificates/ approvals					
General Product Approval					
contract i oudor i provui					
Confirmati					
	E HI				
CSA CCC					





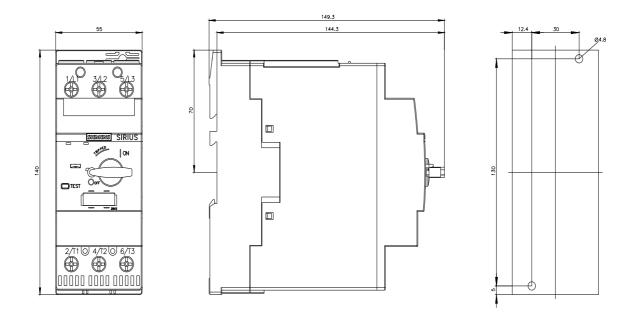


Declaration of Con	nformity	Test Certificates		Marine / Shipping				
CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	BUREAU VERITAS			
Marine / Shipping					other			
	Lloyd's Register urs	PRS	RINA	RMRS	<u>Confirmation</u>			
other	Railway							
UDE VDE	Vibration and Shock	<u>Confirmation</u>						
Further information								
Information- and D https://www.siemen Industry Mall (Onli https://mall.industry Cax online genera http://support.autom Service&Support (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=3RV2331-4KC10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4KC10 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4KC10							

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2331-4KC10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4KC10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2331-4KC10&objecttype=14&gridview=view1



last modified:

6/25/2022 🖸