SIEMENS

Data sheet

3RV2332-4VC10



Circuit breaker size S2 for starter combination Rated current 45 A N-release 650 A screw terminal increased switching capacity

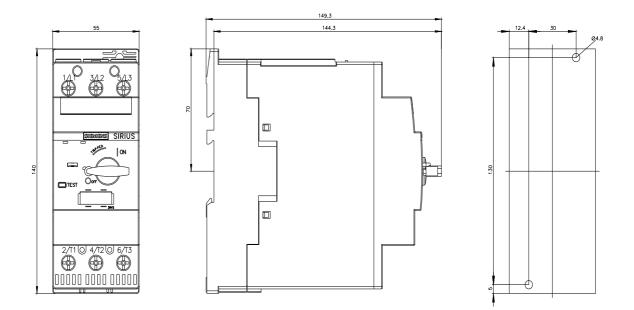


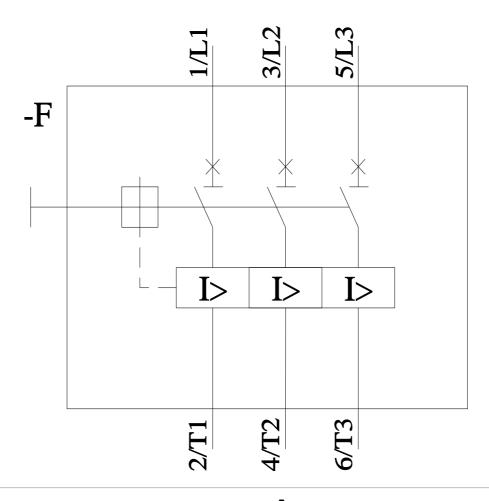
product brand name SiRUS product designation Circuit breaker design of the product For starter combinations product designation 3RV2 General technical data	product brand name	SIRIUS
design of the product For starter combinations product type designation 3RV2 General technical data size of the circuit-breaker S2 size of the circuit-breaker S2 product extension auxiliary switch Yes power loss [W] for rated value of the current 4.4 C in hot operating state 24.5 W • at AC in hot operating state prole 8.2 W 600 V insulation voltage with degree of pollution 3 at AC rated value 64V strage voltage resistance according to IEC 60088-2-27 25g/ 11 ms Sinus mechanical service IIF (operating cycles) 600 0 • of the main contacts typical 50 000 • of auxiliary contacts typical 50 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 Substance name Lead - 7439-92-1 Ambient conditions - installation altitude at height above sea level maximum 2000 m		
product type designation 3RV2 Ceneral technical data		
General technical data size of the circuit-breaker \$2 size of contactor can be combined company-specific \$2 product extension auxiliary switch Yes power loss [W] for rated value of the current ************************************		
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 41 AC in hot operating state 24.5 W • at AC in hot operating state 24.5 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 64 V shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (operating cycles) 60 00 • of the main contacts typical 50 000 • of auxiliary contacts typical 50 000 • of exceed according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Ambient conditions - installation altitude at height above sea level maximum 2 000 m ambient temperature - • during storage -50 +60 °C • during operation -50 +80 °C • relative humidity during operation 10		JRVZ
size of contactor can be combined company-specific S2 product extension auxiliary switch Yes power loss [W] for rated value of the current 4.5 W • at AC in hot operating state 24.5 W • at AC in hot operating state per pole 8.2 W insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 680 V shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service IIfe (operating cycles) 6 KV • of the main contacts typical 50 000 • of auxiliary contacts typical 50 000 reference code according to IEC 81342-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Ambient conditions installation alitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C - • during strange -50 +80 °C - relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 3 - operating voltage 20 690 V 690 V		
product extension auxiliary switch Yes power loss [M] for rated value of the current 24.5 W • at AC in hot operating state 24.5 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 Sinus mechanical service IIf (operating cycles) 6 kV • of the main contacts typical 50 000 • ef ackillary contacts typical 50 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Ambient conditions installation alitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C -60 °C • during operation -50 +80 °C -70 +80 °C relative humidity during operation 10 95 % 10 95 % Main circuit 3 -600 V -600 V • at AC-3 rated value maximum 690 V -600 V -600 V • at AC-3 rated value maximum 690 V -60		
power loss [W] for rated value of the current intervent • at AC in hot operating state 24.5 W • at AC in hot operating state per pole 8.2 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 (operating cycles) 6 kV • of the main contacts typical 50 000 electrical endurance (operating cycles) typical 50 000 electrical endurance (operating cycles) typical 50 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Ambient conditions 2000 m installation attitude 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 3 operating voltage -60 V		
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• at AC in hot operating state per pole 8.2 W insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance according to IEC 60068-2-27 259 /11 ms Sinus mechanical service life (operating cycles) 6 • of the main contacts typical 50 000 • of auxiliary contacts typical 50 000 electrical endurance (operating cycles) typical 50 000 electrical endurance (operating cycles) typical 50 000 electrical endurance (operating cycles) typical 50 000 substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Ambient conditions -20 +60 °C • during operation -20 +60 °C • during operation -20 +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 • at AC-3a		
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shock resistance according to IEC 60068-2:27 25g / 11 ms Sinus mechanical service life (operating cycles) 50 000 • of the main contacts typical 50 000 • of auxiliary contacts typical 50 000 electrical endurance (operating cycles) typical 50 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Ambient conditions - installation altitude at height above sea level maximum 2 000 m ambient temperature - • during operation -20 +60 °C • during transport -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 operating voltage - • rated value 20 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value 50 60 Hz operating frequency rated value 50 60 Hz operational current rated value 45 A	insulation voltage with degree of pollution 3 at AC rated value	
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reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 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 -20 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • poperating frequency rated value 50 60 Hz operating frequency rated value 50 60 Hz	 of auxiliary contacts typical 	50 000
Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Ambient conditions 2 000 m 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 3 operating voltage 20 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • operating frequency rated value 50 60 Hz operating frequency rated value 50 60 Hz	electrical endurance (operating cycles) typical	50 000
SVHC substance name Lead - 7439-92-1 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 operating voltage - 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value 50 60 Hz operating frequency rated value 50 60 Hz operating current rated value 45 A	reference code according to IEC 81346-2	Q
Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +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 • at AC-3e rated value 50 60 Hz • operating frequency rated value 50 60 Hz	Substance Prohibitance (Date)	10/15/2014
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 • at AC-3e rated value maximum 690 V • at AC-3e rated value 50 60 Hz operating frequency rated value 45 A	SVHC substance name	Lead - 7439-92-1
ambient temperature• during operation-20 +60 °C• during storage-50 +80 °C• during transport-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 V• at AC-3e rated value maximum690 V• operating frequency rated value50 60 Hzoperational current rated value45 A	Ambient conditions	
• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °C• during transport10 95 %relative humidity during operation10 95 %Main circuit3operating voltage-• rated value20 690 V• at AC-3 rated value maximum690 V• at AC-3e rated value maximum690 V• operating frequency rated value50 60 Hzoperational current rated value45 A	installation altitude at height above sea level maximum	2 000 m
• 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 • at AC-3e rated value maximum 690 V • operating frequency rated value 50 60 Hz operating learner trated value 45 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 -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 45 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	 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 • at AC-3e rated value maximum 690 V • at AC-3e rated value maximum 690 V • operating frequency rated value 50 60 Hz operational current rated value 45 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 • at AC-3e rated value maximum 690 V • operating frequency rated value 50 60 Hz operational current rated value 45 A	relative humidity during operation	10 95 %
operating voltage• rated value• rated value• at AC-3 rated value maximum• at AC-3e rated value maximum• 690 V• at AC-3e rated value maximum• 690 V• operating frequency rated value50 60 Hz• operational current rated value• 45 A	Main circuit	
• rated value20 690 V• at AC-3 rated value maximum690 V• at AC-3e rated value maximum690 V• operating frequency rated value50 60 Hz• operational current rated value45 A	number of poles for main current circuit	3
	operating voltage	
• at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 45 A	rated value	20 690 V
operating frequency rated value 50 60 Hz operational current rated value 45 A	 at AC-3 rated value maximum 	690 V
operational current rated value 45 A	 at AC-3e rated value maximum 	690 V
operational current rated value 45 A	operating frequency rated value	50 60 Hz
operational current	operational current rated value	45 A
	operational current	

	45.4
• at AC-3 at 400 V rated value	45 A
at AC-3e at 400 V rated value	45 A
operating power	
• at AC-3	
— at 230 V rated value	11 kW
— at 400 V rated value	22 kW
— at 500 V rated value	30 kW
— at 690 V rated value	37 kW
● at AC-3e	
— at 230 V rated value	11 kW
— at 400 V rated value	22 kW
— at 500 V rated value	30 kW
— at 690 V rated value	37 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e 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
trip class	CLASS 10
maximum short-circuit current breaking capacity (Icu)	
at AC at 240 V rated value	100 kA
 at AC at 400 V rated value 	100 kA
 at AC at 500 V rated value 	15 kA
at AC at 690 V rated value	6 kA
operating short-circuit current breaking capacity (Ics) at AC	
at 240 V rated value	100 kA
at 400 V rated value	50 kA
at 500 V rated value	8 kA
at 690 V rated value	4 kA
response value current of instantaneous short-circuit trip unit	650 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	45 A
at 600 V rated value	45 A
yielded mechanical performance [hp]	
for single-phase AC motor	
- at 110/120 V rated value	3 hp
— at 230 V rated value	
• for 3-phase AC motor	10 hp
•	45 ha
- at 200/208 V rated value	15 hp
- at 220/230 V rated value	15 hp
- at 460/480 V rated value	40 hp
- at 575/600 V rated value	50 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	
• at 240 V	none required
• at 240 V	125
• at 500 V	100
• at 500 V	80
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	140 mm

width	
depth	149 mm
required spacing	
with side-by-side mounting at the side	0 mm
 for grounded parts at 400 V 	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
• for live parts at 400 V	
— 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
	50 mm
— upwards — at the side	10 mm
 for grounded parts at 690 V 	
for grounded parts at 690 v — downwards	50 mm
— upwards	50 mm
— upwards — backwards	0 mm
— at the side	10 mm
— at the side — forwards	0 mm
	0 mm
 for live parts at 690 V — downwards 	50 mm
	50 mm
— upwards — backwards	0 mm
— at the side	10 mm
— forwards	0 mm
Connections/ Terminals	0 mm
type of electrical connection	
type of electrical connection	screw-type terminals
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit	screw-type terminals Top and bottom
for main current circuit arrangement of electrical connectors for main current	
• for main current circuit arrangement of electrical connectors for main current circuit	
for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	
for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	Top and bottom
for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts — solid or stranded	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²)
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	Top and bottom 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²)
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 • for AWG cables for main contacts	Top and bottom 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²)
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 • for AWG cables for main contacts tightening torque	Top and bottom 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1)
for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts of or stranded of inely stranded with core end processing of r AWG cables for main contacts tightening torque of r main contacts with screw-type terminals	Top and bottom 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 3 4.5 N·m
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 for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft	Top and bottom 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm
 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 for 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 	Top and bottom 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm
for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts ofor main contacts ofor stranded ofor AWG cables for main contacts tightening torque ofor main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw	Top and bottom 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2
 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 for 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 	Top and bottom 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2
 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 for 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 	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 Yes
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 for 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 Safety related data product function suitable for safety function suitability for use safety-related switching on	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 Yes No
for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 Yes No Yes
 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 for 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 size of the screwdriver tip design of the thread of the connection screw for main contacts safety related data safety-related switching on safety-related switching OFF service life maximum	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 Yes No Yes 10 a
 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 for 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 stated data product function suitable for safety function safety-related switching on safety-related switching OFF service life maximum test wear-related service life necessary 	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 Yes No Yes
 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 for 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 stafety related data product function suitable for safety function safety-related switching on safety-related switching OFF	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 Yes No Yes 10 a Yes
 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 for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts stafety related data product function suitable for safety function safety-related switching on safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures with low demand rate according to SN 31920 	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 Yes 10 a Yes 40 %
 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 for 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 Safety related data product function suitable for safety function safety-related switching on 	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 Yes No Yes 10 a Yes
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ISO 13849 device type according	to ISO 13849-1	3				
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 for proof test interval or service life according to IEC 61508 		ing to IEC 10 a	10 a			
Electrical Safety						
protection class IP on	the front according to	IEC 60529 IP20	IP20			
touch protection on th	e front according to IE	C 60529 finge	inger-safe, for vertical contact from the front			
Display						
display version for swite	hing status	Hand	lle			
Approvals Certificates						
General Product App	oval					
	CE EG-Konf.	UK CA	<u>Confirmation</u>		KC	
General Product Approval	Test Certificates		Marine / Shipping			
EHC	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	B U R E A U VERITAS		
Marine / Shipping			other			
Llovd's Register urs	PRS	RINA	<u>Miscellaneous</u>	<u>Confirmation</u>		
Railway		Environment				
Special Test Certific- ate	Confirmation	EPD	Siemens EcoTech	Environmental Con- firmations		
Further information						
Information on the pac		iew/100813875				
https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,)						
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