SIEMENS

Data sheet 3RV2021-0HA15



Circuit breaker size S0 for motor protection, CLASS 10 A-release 0.55...0.8 A N-release 10 A screw terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC

SIRIUS product brand name product designation Circuit breaker design of the product For motor protection product type designation 3RV2 General technical data S0 size of the circuit-breaker size of contactor can be combined company-specific S00, S0 product extension auxiliary switch Yes power loss [W] for rated value of the current • at AC in hot operating state 7.25 W 24 W • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated 690 V 6 kV surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) • of the main contacts typical 100 000 · of auxiliary contacts typical 100 000 electrical endurance (operating cycles) typical 100 000 type of protection according to ATEX directive Ex II (2) GD 2014/34/EU certificate of suitability according to ATEX directive **DMT 02 ATEX F 001** 2014/34/FU reference code according to IEC 81346-2 10/01/2009 **Substance Prohibitance (Date) Ambient conditions** installation altitude at height above sea level maximum 2 000 m ambient temperature -20 ... +60 °C · during operation -50 ... +80 °C · during storage during transport -50 ... +80 °C relative humidity during operation 10 ... 95 % Main circuit number of poles for main current circuit adjustable current response value current of the 0.55 ... 0.8 A current-dependent overload release operating voltage rated value 20 ... 690 V 690 V • at AC-3 rated value maximum • at AC-3e rated value maximum 690 V operating frequency rated value 50 ... 60 Hz operational current rated value 0.8 A

operational current of auxiliary contacts at AC-15 at 400 V rated value 0.8 A 0.8		
## AI AC-3e at 400 V rated value operating power * al AC-3 — at 420 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 400 V rated value — at 500 V rated value — at 600 V rated value — at 600 V rated value * al AC-3e maximum * AI AC-3e maximum * AI C-3e maximum * A	operational current	0.0 A
parating power		
and AC-3		U.8 A
at 400 V rated value at 500 V rated value at 500 V rated value at 600 V rated value at 200 V rated value at 200 V rated value at 200 V rated value at 500 V rated value at 600 V rated value at		0.41114
at 800 V rated value		
		0.4 kW
— at 400 V rated value — at 690 V rated value 0.3 kW 0-at 690 V rated value 0.4 kW 0perating frequency • at AC-3 maximum 15 1/h 16 4 AC-3e maximum 15 1/h 15 1/h 16 4 AC-3e maximum 15 1/h 15 1/h 16 4 AC-3e maximum 16 1/h 16 1/h 17 1/h 18 1/		
at 500 V rated value		
—a f 890 Y rated value operating frequency • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum da AC-3 maximum • at AC-3		
operating frequency		
at AC-3 maximum at AC-3s maximum 15 1/h Auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 A 2 A 2 A 2 A 2 A 2 A 2 A 3 1 20 V 3 1 25 V 5 A 3 1 25 V 7 A 4 1 20 V 9 A 5 A 5 A 5 A 5 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6		0.4 kW
auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 at 24 V at 120 V at 125 V beta 1230 V operational current of auxiliary contacts at DC-13 at 24 V at 25 V beta 120 V coperational current of auxiliary contacts at DC-13 at 24 V at 20 V coperational current of auxiliary contacts at DC-13 beta 160 V Contactive and monitoring functions product function coperating aliure detection frip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at 500 V rated value at 500 V rated value at 600 V rated value a		
design of the auxiliary switch number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 • at 24 V • at 120 V • at 125 V • at 220 V operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V ophase failure detection • ground fault detection • ground fault detection • product function • ground fault detection • ground fault detectio		
design of the auxiliary switch number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-t5 at 24 V at 120 V at 120 V at 25 V at 25 V at 24 V at 20 V bereating functions product function ground fault detection phase failure detection rip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 24 0 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 400 V rated value at 500 V rated value at 400 V rated value at 600		15 1/h
number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 24 V at 120 V at 125 V bat 230 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 by operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 by operational current breaking capacity (Icu) at AC at 240 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 40 V rated value at 40 V rated value at 40 V rated value at 690 V	Auxiliary circuit	
number of NO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 • at 24 V 2, 0.5 A • at 120 V • at 125 V • at 230 V operational current of auxiliary contacts at DC-13 • at 24 V 1, 0.5 A • at 60 V Protective and monitoring functions product function • phase failure detection • phase failure dete	design of the auxiliary switch	transverse
number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15		1
operational current of auxiliary contacts at AC-15 at 24 V 2 A at 120 V 0.5 A at 125 V 0.5 A at 230 V 0.5 A operational current of auxiliary contacts at DC-13 at 24 V 1 A at 60 V 0.15 A Protective and monitoring functions product function	number of NO contacts for auxiliary contacts	1
operational current of auxiliary contacts at AC-15 at 24 V 2 A at 120 V 0.5 A at 125 V 0.5 A at 230 V 0.5 A operational current of auxiliary contacts at DC-13 at 24 V 1 A at 60 V 0.15 A Protective and monitoring functions product function		0
at 124 V at 125 V at 125 V at 125 V at 230 V 0.5 A operational current of auxiliary contacts at DC-13 at 24 V at 60 V 0.15 A Protective and monitoring functions product function ground fault delection phase failure detection vers all and the overload release maximum short-circuit current breaking capacity (icu) at AC at 240 V rated value at AC at 240 V rated value at AC at 500 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 600 V rated value	·	
at 125 V at 230 V berational current of auxillary contacts at DC-13 at 24 V at 60 V 0.15 A Protective and monitoring functions product function ground fault detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 4500 V rated value at AC at 500 V rated value bat AC at 260 V rated value at AC at 260 V rated value at AC at 260 V rated value bat AC at 400 V rated value at AC at 400 V rated value bat AC at 400 V rated value at AC at 400 V rated value bat 400 V rated value bat 600 V rated value b		2 A
e at 230 V operational current of auxiliary contacts at DC-13	• at 120 V	0.5 A
e at 24 V 1A 0.15 A Protective and monitoring functions product function ground fault detection Yes classing of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 240 V rated value 100 kA at AC at 590 V rated value at AC at 590 V rated value 100 kA at AC at 590 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 100 kA be at 400 V rated value 100 kA at 690 V rated value 100 kA at 690 V rated value 100 kA at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor 100 kA 100 kA 200 V rated value 200 kA 200 kA 200 V rated value 200 kA 200	● at 125 V	0.5 A
• at 24 V	● at 230 V	0.5 A
• at 24 V	operational current of auxiliary contacts at DC-13	
Protective and monitoring functions product function • ground fault detection • phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 4500 V rated value • at AC at 4500 V rated value • at AC at 699 V rated value • at AC at 699 V rated value • at AC at 690 V rated value • at 4C0 V rated value • at 400 V rated value • at 500 V rated value • at 690 V r		1 A
product function	● at 60 V	0.15 A
product function	Protective and monitoring functions	
ground fault detection		
phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (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 be at AC at 690 V rated value at AC at 240 V rated value at AC at 690 V rated value be at AC at 690 V rated value at AC at 500 V rated value be at 400 V rated value at 690 V rated value be at 690 V rated value at 690 V rated value at 690 V rated value be at 690 V rated value at 690 V rated value be at 690 V rated value be at 690 V rated value at 690 V rated value be at 690 V rated v	•	No
trip class design of the overload release maximum short-circuit current breaking capacity (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 500 V rated value • at AC at 609 V rated value • at AC at 609 V rated value • at AC at 609 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 600 V rated value • at 600 V rated value CL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at		
design of the overload release maximum short-circuit current breaking capacity (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 • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value		
maximum short-circuit current breaking capacity (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 240 V rated value at AC at 690 V rated value at AC at 240 V rated value at AC at 690 V rated value at AC at 690 V rated value at 240 V rated value at 240 V rated value at 240 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 890 V rated value corporate value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 80 V rated value at 800 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 100 kA 100		
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 operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 600 V rated value built 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 built O.8 A C300 / R300 Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 100 kA	_	ulciliai
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 be at AC at 690 V rated value coperating short-circuit current breaking capacity (Ics) at AC at AC at 240 V rated value at 400 V rated value at 690 V rated value at 690 V rated value at 690 V rated value be at 690 V rated value at 690 V rated value coperating 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 be at 690 V r		100 kA
at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 800 V rated value be at 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 design of the fuse link a for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 100 kA 100		
at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at		
operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 590 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 100 kA 100		
at AC at 240 V rated value at 400 V rated value 100 kA at 500 V rated value 100 kA 10		100 NA
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 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 built 0.8 A at 690 V rated value at 690 V rated value at 690 V rated value built 0.8 A contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link after 600 V rated value built required function short circuit protection for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 100 kA 100		
at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 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 design of the fuse link of or short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 100 kA 100 k 100 kA 10		100 kA
at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value barrent rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 100 kA 100 kA 100 kA 100 k 10		
o 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 o at 480 V rated value o at 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 design of the fuse link o for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 100 kA 10 A 10 A 110 A 10 A		
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 contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 10 A 10		
unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 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 design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 0.8 A C300 / R300 Yes magnetic magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) any		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 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 design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 0.8 A C300 / R300 Yes magnetic magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	·	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 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 design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 0.8 A C300 / R300 Yes magnetic magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	UL/CSA ratings	
 at 480 V rated value at 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 design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Installation/ mounting/ dimensions mounting position 		
 at 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 design of the fuse link • for short-circuit protection of the auxiliary switch required		0.8 A
contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position C300 / R300 Yes magnetic magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) any		
Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position Yes magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Installation/ mounting/ dimensions any		
product function short circuit protection design of the short-circuit trip magnetic design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position Yes magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Installation/ mounting/ dimensions any		
design of the short-circuit trip design of the fuse link ● for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) any		Voc
design of the fuse link ● for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) any		
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) any	-	magnetic
required Ik < 400 Å) Installation/ mounting/ dimensions mounting position any	_	Fuse at /aC: 10 A ministure circuit brooker C 6 A /abort circuit autrent
Installation/ mounting/ dimensions mounting position any		
mounting position any	·	
rastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN	mounting position	any
	factoring mothed	corougand and an an analysis and OF man DIM will accomply to DIM TM

	60715
height	97 mm
width	45 mm
depth	97 mm
required spacing	
with side-by-side mounting at the side	0 mm
for grounded parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for live parts at 400 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
for live parts at 500 V— downwards	30 mm
— downwards — upwards	30 mm
— at the side	9 mm
for grounded parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
 for live parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
	20
— at the side	30 mm
— forwards	0 mm
— forwards Connections/ Terminals type of electrical connection	0 mm
— forwards Connections/ Terminals type of electrical connection • for main current circuit	0 mm screw-type terminals
— forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	0 mm screw-type terminals screw-type terminals
— forwards Connections/ Terminals type of electrical connection • for main current circuit	0 mm screw-type terminals
forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current	0 mm screw-type terminals screw-type terminals
forwards Connections/ Terminals type of electrical connection	0 mm screw-type terminals screw-type terminals
— forwards Connections/ Terminals 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	0 mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²)
— forwards Connections/ Terminals 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	o mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
- forwards Connections/ Terminals 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	0 mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²)
— forwards Connections/ Terminals 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	o mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
— forwards Connections/ Terminals 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 • for auxiliary contacts	0 mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)
— forwards Connections/ Terminals 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 • for auxiliary contacts — solid or stranded	0 mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— forwards Connections/ Terminals 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 • for auxiliary contacts — solid or stranded — solid or stranded — finely stranded with core end processing	0 mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— forwards Connections/ Terminals 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 • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts	0 mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— forwards Connections/ Terminals 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 • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts tightening torque	0 mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— forwards 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 • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts tightening torque • for main contacts with screw-type terminals	o mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)
— forwards Connections/ Terminals 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 • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts tightening torque	0 mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m
— forwards 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 • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals	o mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N⋅m 0.8 1.2 N⋅m
— forwards 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 • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals	o mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm
- forwards type of electrical connection	o mm screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm
— forwards type of electrical connection	screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2
- forwards type of electrical connection	0 mm screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2
- forwards type of electrical connection	0 mm screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2
Terminals type of electrical connection	0 mm screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2
Tonnections/ Terminals type of electrical connection	screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M4 M3
Tonnections/ Terminals type of electrical connection	screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 2 2.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M4 M3

failure rate [FIT]

• with low demand rate according to SN 31920

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

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529

display version for switching status

50 FIT

10 a

IP20

finger-safe, for vertical contact from the front

Handle

Certificates/ approvals

General Product Approval

For use in hazardous locations

Confirmation











Declaration of Conformity

Test Certificates

Marine / Shipping





Special Test Certificate

Type Test Certificates/Test Report





Marine / Shipping

other









Confirmation



Railway

Confirmation Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RV2021-0HA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2021-0HA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-0HA15

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

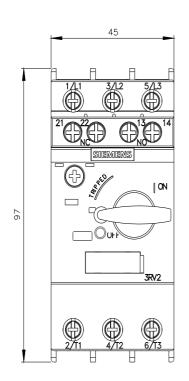
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2021-0HA15&lang=en

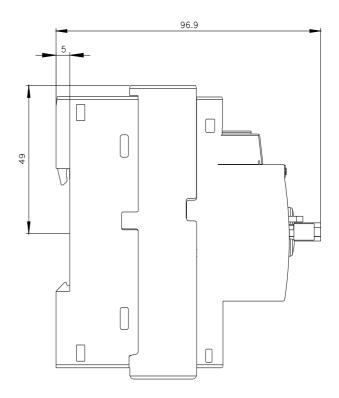
Characteristic: Tripping characteristics, I2t, Let-through current

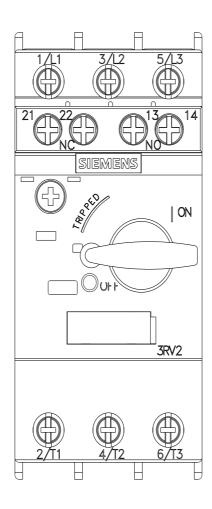
https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-0HA15/char

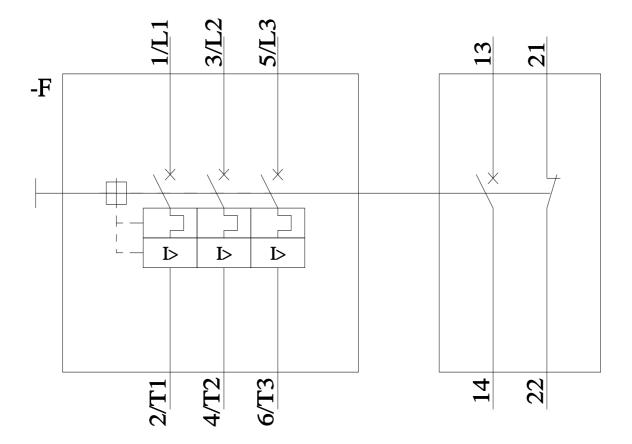
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2021-0HA15&objecttype=14&gridview=view1









last modified: 11/21/2022 🖸