## **SIEMENS**

Data sheet 3RV2421-4AA10



Circuit breaker size S0 for transformer protection A-release 10...16 A N-release 286 A screw terminal Standard switching capacity

product designation design of the product per designation 3RV2  General technical data size of the circuit-treaker size of the circuit-treaker size of orthe combined company-specific product yet per designation  Size of contactor can be combined company-specific size of contactor can be combined company-specific product extension auxiliary switch yes power loss [W] for rated value of the current at AC in hot operating state per pole 3.1 W insulation voitage with degree of pollution 3 at AC rated value surge voitage resistance rated value shock resistance according to IEC 60068-2-27 25g /11 ms mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical of auxiliary contacts typical of auxiliary contacts typical ledictical endurance (operating cycles) (typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 3VHC substance name Biei - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum ambient temperature of uturing operation of uturing storage of uturing transport relative humidity during operation  veluring storage of uturing transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustables current response value current of the current- dependent overload release operating voltage  verted value vert	product brand name	SIRIUS
product type designation General technical data size of the circuit-breaker size of contactor can be combined company-specific soo, so spout extension auxiliary switch yes power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage resistance rated value • at AC in hot operating state per pole insulation voltage resistance rated value • at AC in hot operating to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of during contacts (Date)  Suhstance Prohibitance (Date)  100 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  100 102009  Suhc substance name  Ambient conditions installation altitude at height above sea level maximum • during operation • during storage • during transport • during transport • during transport  relative humicity during operation  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • al AC-3 rated value maximum • operational current rated value operational current rated value operational current rated value operational current rated value operational current	product designation	Circuit breaker
Size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of contactor can be combined company-specific S00, S0 product extension auxiliary switch Yes power loss IWJ for rated value of the current at AC in hot operating state 9,25 W at AC in hot operating state 9,25 W surge voltage resistance rated value 680 V surge voltage resistance rated value 680 V surge voltage resistance rated value 680 V shock resistance according to IEC 80068-227 25g / 11 ms mechanical service life (operating cycles) of the main contacts typical 100 000 source of the main contacts typical 100 000 source of auxiliary contacts typical 100 000 reference code according to IEC 81348-2 Q Substance Prohibitance (Date) 100/1/2009 SVHC substance name Blei - 7439-92-1 Ambient conditions substance name Blei - 7439-92-1 Ambient conditions substance name Aurilians and titude at height above sea level maximum 2000 m ambient temperature during operation 200 m substance su	design of the product	For transformer protection
size of the circuit-breaker  size of contactor can be combined company-specific  product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state  • at AC in hot operating state per pole  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  • o	product type designation	3RV2
size of contactor can be combined company-specific product extension auxiliary switch Power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole 3.1 W insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 66 kV 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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 100/12009 SVHC substance name Biel - 7439-92-1 Ambient temperature • during operation • during storage • during transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • 690 V • at AC-3 rated value maximum • 690 V • at AC-3 rated value maximum • 690 V operational current tered value operational current tered value operational current rated value  • operational current rated value operational current rated value operational current rated value  • 600 V operational current of the CV of the maximum of the CV of the Maximu	General technical data	
product extension auxiliary switch  power loss [W] for rated value of the current  at AC in hot operating state 9,25 W  at AC in hot operating state per pole 3,1 W  insulation voltage with degree of pollution 3 at AC rated value 690 V  surge voltage resistance rated value 6 kV  shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (operating cycles)  of the main contacts typical 100 000  electrical endurance (operating cycles) 100 000  reference code according to IEC 81346-2 Q  Substance Prohibitance (Date) 10/01/2009  SYHC substance name Biel - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  ambient temperature  of during operation -20 +60 °C  during storage -50 +80 °C  eluting transport -50 +80 °C  relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit 3  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum 690 V  • at AC-3 rated value maximum 690 V  operational current rated value operational current current rated value operational current  operational current rated value operational current current rated value operational curre	size of the circuit-breaker	S0
power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state pole  at AC in hot operating state pole  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  shock resistance according to IEC 80068-2-27  25g / 11 ms  mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  of auxiliary contacts typical  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  SVHC substance name  Anbiont conditions  SHel - 7439-92-1  Anbiont conditions  ambient temperature  • during operation  • during operation  • during storage  • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • at AC-3 rated value maximum  operational current rated value  operational current  16 A  9.25 W  3.1 W  100 W  3.1 W  3.2 W  3.2 W  4.2 W  5.2 W  5.0 W  5.0 W  5.0 W  6.8 W  6.8 W  6.8 W  6.8 W  6.8 W  6.8 W  6.9 W	size of contactor can be combined company-specific	S00, S0
at AC in hot operating state at AC in hot operating state per pole surge voltage with degree of pollution 3 at AC rated value 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 of auxiliary contacts typical leictrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 SYHC substance name Blei - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage  • at AC-3 rated value maximum operational current rated value operational current operating frequency rated value operational current operating frequency rated value operational current operating frequency rated value operational current operational current operational current of the current operational current rated value operational current of the CV  3.1 W  3.1 W  3.2 W  4.2 W  4.2 W  4.2 W  4.3 W  4.4 W  4.4 W  4.5 W  4.	product extension auxiliary switch	Yes
at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value 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 of auxiliary contacts typical lectrical endurance (operating cycles) typical electrical endurance (operating cycles) typical lectrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  SYHC substance name Blei - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation of during storage of during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage orated value at AC-3 rated value maximum eventure to the current of the current-dependent overload release operating frequency rated value operational current rated value operational current rated value operational current rated value operational current of the c	power loss [W] for rated value of the current	
insulation voltage with degree of pollution 3 at AC rated value  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  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SYHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  during operation  during storage  during transport  relative humidity during operation  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  operating voltage  at AC-3 rated value maximum  operational current rated value  operating frequency rated value  operational current	<ul> <li>at AC in hot operating state</li> </ul>	9.25 W
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 electrical endurance (operating cycles) typical lelectrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 3VHC substance name Blei - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during storage • during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3 rated value maximum • operational current rated value operational current rated value operational current rated value operational current rated value operational current of the A	<ul> <li>at AC in hot operating state per pole</li> </ul>	3.1 W
shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oduring operation  oduring storage  oduring transport  relative humidity during operation  adjustable current response value current of the current-dependent overload release  operating voltage  or at AC-3 rated value maximum  of the AC-3 rated value maximum  of the AC-3 rated value  operational current  100 000	insulation voltage with degree of pollution 3 at AC rated value	690 V
mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  electrical endurance (operating cycles) typical  forerence code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  of poperational current rated value  operational current	surge voltage resistance rated value	6 kV
of the main contacts typical     of auxiliary contacts typical     electrical endurance (operating cycles) typical     electrical endurance (operating cycles) typical     reference code according to IEC 81346-2     Q Substance Prohibitance (Date)     SVHC substance name     Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     ouring storage     during storage     during transport     relative humidity during operation     verification  mumber of poles for main current circuit     adjustable current response value current of the current-dependent overload release  operating voltage     or at AC-3 rated value maximum     at AC-3 rated value maximum     e at AC-3 rated value maximum     operational current rated value     operational current	shock resistance according to IEC 60068-2-27	25g / 11 ms
of auxiliary contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum ambient temperature     o during operation     during storage     during storage     during transport relative humidity during operation  Main circuit  mumber of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage     rated value     at AC-3 rated value maximum     end of AC operational current rated value operational current rated value operational current rated value  operational current rated value  for AC operational current rated value operational current rated value  operational current rated value operational current rated value  operational current rated value  operational current rated value operational current  od  od  od  od  od  od  od  od  od  o	mechanical service life (operating cycles)	
electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 erated value maximum • at AC-3e rated value maximum operational current rated value operational current	<ul> <li>of the main contacts typical</li> </ul>	100 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  SVHC substance name Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  ambient temperature  • during operation -20 +80 °C  • during storage -50 +80 °C  relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit 3  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum 690 V  • at AC-3e rated value maximum 690 V  operating frequency rated value  operational current	of auxiliary contacts typical	100 000
Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  690 V  operating frequency rated value  operational current rated value  operational current rated value  operational current rated value  16 A  operational current  18 Id A  19 I/01/2009  10 I/01/2	electrical endurance (operating cycles) typical	100 000
SVHC substance name  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  operational current rated value  operational current rated value  16 A  operational current	reference code according to IEC 81346-2	Q
Installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operational current rated value  operational current rated value  operational current rated value  16 A  operational current  16 A	Substance Prohibitance (Date)	10/01/2009
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum • at AC-3e rated value operating frequency rated value operational current rated value  operational current rated value  16 A  operational current  10 16 A	SVHC substance name	Blei - 7439-92-1
ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  50 60 Hz  operational current rated value  16 A	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>50 +80 °C</li> <li>telative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current rated value</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>during transport</li> <li>relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operating frequency rated value</li> <li>operational current</li> </ul>	ambient temperature	
• during transport     relative humidity during operation     10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  10 16 A  20 690 V  • at AC-3e rated value maximum  690 V  operating frequency rated value  16 A  operational current	<ul> <li>during operation</li> </ul>	-20 +60 °C
relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • rated value maximum  690 V  • at AC-3 rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current rated value  16 A	during storage	-50 +80 °C
Main circuit  number of poles for main current circuit  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  50 60 Hz  operational current  10 16 A  10 16 A  690 V  690 V  690 V  16 A	during transport	-50 +80 °C
number of poles for main current circuit  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  10 16 A  20 690 V  690 V  • at AC-3e rated value maximum  690 V  operational current rated value  16 A  operational current	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  operational current  10 16 A  10 16 A  10 16 A	Main circuit	
dependent overload release  operating voltage  • rated value • 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 16 A	number of poles for main current circuit	3
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> </ul>	•	10 16 A
<ul> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> <li>16 A</li> </ul>	operating voltage	
at AC-3e rated value maximum     690 V      operating frequency rated value     50 60 Hz      operational current rated value     16 A      operational current	rated value	20 690 V
operating frequency rated value 50 60 Hz operational current rated value 16 A operational current	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
operational current rated value 16 A operational current	at AC-3e rated value maximum	690 V
operational current	operating frequency rated value	50 60 Hz
	operational current rated value	16 A
• at AC-3 at 400 V rated value 16 A	operational current	
	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	16 A

a at AC 2a at 400 V retad value	16 A
at AC-3e at 400 V rated value	16 A
operating power	
• at AC-3	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 kW
• at AC-3e	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 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
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
ground fault detection	No
phase failure detection	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	troma
at AC at 240 V rated value	100 kA
at AC at 400 V rated value	55 kA
at AC at 500 V rated value	10 kA
at AC at 690 V rated value     at AC at 690 V rated value	4 kA
operating short-circuit current breaking capacity (Ics) at AC	4 NA
at 240 V rated value	100 kA
• at 400 V rated value	25 kA
• at 500 V rated value	5 kA
at 690 V rated value	2 kA
response value current of instantaneous short-circuit trip unit	286 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	16 A
at 600 V rated value	16 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	1 hp
— at 230 V rated value	2 hp
• for 3-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 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 400 V	gL/gG 63 A
• at 500 V	gL/gG 50 A
• at 690 V	gL/gG 40 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 mm
width	45 mm

depth	97 mm
required spacing	V
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
<ul> <li>for grounded parts at 500 V</li> </ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
<ul><li>for live parts at 500 V</li></ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for grounded parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	F0
— downwards	50 mm
— upwards — backwards	0 mm
— at the side	30 mm
— at the side	30 111111
— forwards	0 mm
— forwards  Connections/ Terminals	0 mm
— forwards  Connections/ Terminals  type of electrical connection	0 mm
Connections/ Terminals	0 mm screw-type terminals
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current	
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit	screw-type terminals
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections	screw-type terminals
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts	screw-type terminals Top and bottom
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²)
type of electrical connection	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
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²)
type of electrical connection         • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections         • for main contacts             — solid or stranded             — finely stranded with core end processing             • for AWG cables for main contacts  tightening torque	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)
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²)  2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  2x (16 12), 2x (14 8)  2 2.5 N·m
type of electrical connection	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)
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²)  2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²)  2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²)  2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M4
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M4
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type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M4  5 000
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type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M4  5 000  50 % 50 % 50 FIT 10 a
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M4  5 000  50 % 50 %  50 FIT 10 a  IP20
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M4  5 000  50 % 50 % 50 FIT 10 a  IP20  finger-safe, for vertical contact from the front
type of electrical connection	screw-type terminals  Top and bottom  2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8)  2 2.5 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M4  5 000  50 % 50 %  50 FIT 10 a  IP20

Confirmation





<u>KC</u>

EAC



Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping







Household and similar appliances

other

Confirmation



Railway

Environment

Confirmation

Vibration and Shock

Environmental Confirmations

## **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=3RV2421-4AA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2421-4AA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2421-4AA10

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

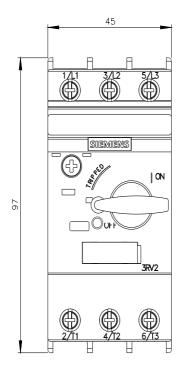
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2421-4AA10&lang=en

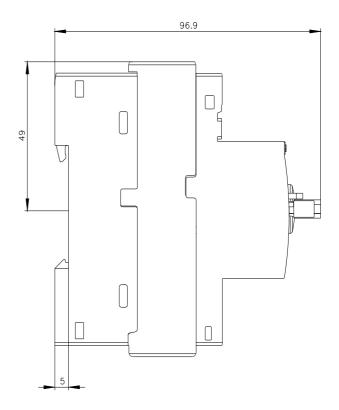
Characteristic: Tripping characteristics, I²t, Let-through current

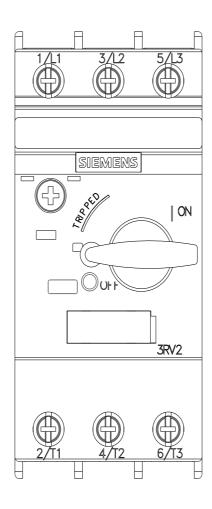
https://support.industry.siemens.com/cs/ww/en/ps/3RV2421-4AA10/char

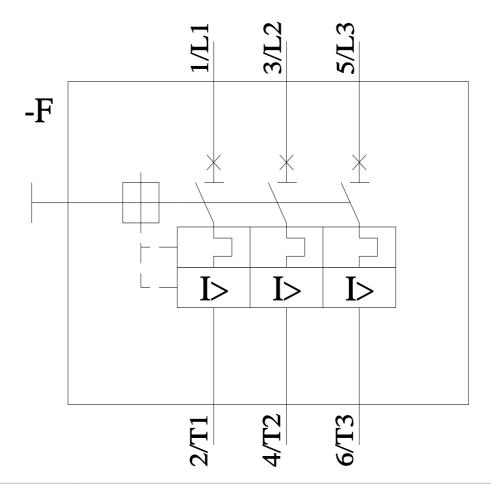
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2421-4AA10&objecttype=14&gridview=view1









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