3RV2021-1GA20-0BA0

## **Data sheet**



Special type Circuit breaker size S0 for motor protection, Class 10 A-release 4.5...6.3 A Short-circuit release 82 A Spring-loaded terminal Standard switching capacity Ambient temperature -50  $^{\circ}\text{C}$  500 switching cycles

product type designation  design of the product product type designation  SRV2  General technical data size of contactor can be combined company-specific product extension auxiliary switch yes power loss PM for rated value of the current • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value shock resistance according to IEC 80088-2-27  sof the main contacts typical • of auxiliary contacts typical electrical endurance (operating cycles) typical substance Prohibitance (Date) installation attitude at height above sea level maximum ambient temperature • during operation • during operat	product brand name	SIRIUS
product type designation General technical data size of the circuit-breaker 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 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 geometric according to IE	product designation	Circuit breaker
size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch 1 Yes  power loss [W] for rated value of the current 1 at AC in hot operating state per pole 2.4 W  insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 25g /11 ms  mechanical service life (operating cycles) 6 of the main contacts typical 6 of auxiliary contacts typical 7 of the main contacts typical 7 of the main contacts typical 8 of auxiliary contacts typical 9 of auxiliary contacts typical 9 of usuliary contacts typical 1 of auxiliary contacts typical 9 of usuliary contacts typical 1 of auxiliary contacts typical 1 of auxiliary contacts typical 9 of usuliary contacts typical 1 of auxiliary contacts typical 9 of usuliary contacts typical 1 of auxiliary contacts typical 9 of usuliary contacts typical 1 of auxiliary contacts typical 9 of usuliary contacts typical 1 of auxiliary contacts typical 9 of usuliary contacts typical 1 of usuliary contacts typical 9 of usuliary contacts typical 9 of auxiliary contacts typical 9 of a	design of the product	For motor protection
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	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  • at AC in hot operating state per pole  surge voltage resistance rated value • 680 V  surge voltage resistance rated value • 680 V  shock resistance according to IEC 60068-2-27  mechanical service [Ife (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of multiple of the conditions  installation altitude at height above sea level maximum  ambient conditions  installation altitude at height above sea level maximum • during operation • during transport • during transport • 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 requency rated value • at AC-3 arted value maximum • at AC-3 arted value operational current rated value operational current rated value operating power	General technical data	
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 6 kV shock resistance according to IEC 60068-2-27 25g /11 ms  mechanical service life (operating cycles) • of the main contacts typical 600 • of auxiliary contacts typical 600 electrical endurance (operating cycles) typical freference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions  installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation • during geration • during transport 1-50 +80 °C • 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-3 at 400 V rated value operation power	size of the circuit-breaker	SO
power loss [W] for rated value of the current  • at AC in hot operating state  • at AC in hot operating state per pole  • at AC in hot operating state per pole  insulation voltage with degree of pollution 3 at AC rated value  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  • of auxiliary contacts	size of contactor can be combined company-specific	S00, S0
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 690 V surge voltage resistance rated value 660 V shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles)  of the main contacts typical 500 electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage 50+60 °C during storage 50+80 °C during transport relative humidity during operation 1095 %  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 operational current at AC-3 at 400 V rated value operating power	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  mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical electrical endurance (operating cycles) typical ference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature olduring operation olduring storage olduring 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 e) at AC-3 rated value operation at AC-3 at 400 V rated value operating power	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  get 1 ms  mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical solution of auxiliary contacts typical of auxiliary contacts typical solution of the main contacts typical solution of auxiliary contacts typical so	<ul> <li>at AC in hot operating state</li> </ul>	7.25 W
surge voltage resistance rated value shock resistance according to IEC 60068-2-27  25g / 11 ms  mechanical service life (operating cycles)  of auxiliary contacts typical foot described by the service of the main contacts typical solutions electrical endurance (operating cycles) typical foot described by typical substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport relative humidity during operation  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 operational current at AC-3 at 400 V rated value operating power	<ul> <li>at AC in hot operating state per pole</li> </ul>	2.4 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  substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  of uning 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  at AC-3 rated value  operational current  of at AC-3 at 400 V rated value  operating power  of the main current of the current  operating power  of at AC-3 at 400 V rated value  operating power	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  freference code according to IEC 81346-2  Q Substance Prohibitance (Date)  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  operational current  • at AC-3 at 400 V rated value  operating power	surge voltage resistance rated value	6 kV
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)  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     orated value     at AC-3 rated value maximum     operational current     operational current     at AC-3 at 400 V rated value     operating power	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)  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  operational current  • at AC-3 at 400 V rated value  operating power  output  500  0  0  0  0  0  0  0  0  0  0  0	mechanical service life (operating cycles)	
electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  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  operational current  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  operating power	<ul> <li>of the main contacts typical</li> </ul>	500
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature  • during operation -50 +60 °C  • during storage -50 +80 °C  • during transport -50 +80 °C  relative humidity during operation 10 95 %  Main circuit 3 adjustable current response value current of the current-dependent overload release operating voltage  • rated value 20 690 V  • at AC-3 rated value maximum 690 V  operating frequency rated value 50 60 Hz operational current • at AC-3 at 400 V rated value 6.3 A operating power	of auxiliary contacts typical	500
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • 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  operational current rated value  operational current  • at AC-3 at 400 V rated value	electrical endurance (operating cycles) typical	500
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-3 at 400 V rated value  operating power	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  operational current rated value  operational current rated value  operational current rated value  6.3 A  operating power	Substance Prohibitance (Date)	10/01/2009
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  operating frequency rated value  operational current rated value  • at AC-3 at 400 V rated value  operating power	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>50 +80 °C</li> <li>during transport</li> <li>50 +80 °C</li> </ul> relative humidity during operation Main circuit number of poles for main current circuit <ul> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operating frequency rated value</li> <li>6.3 A</li> </ul> operational current <ul> <li>at AC-3 at 400 V rated value</li> <li>6.3 A</li> </ul> operating power <ul> <li>6.3 A</li> </ul> operating power <ul> <li>6.3 A</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>during transport</li> <li>-50 +80 °C</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>operating frequency rated value</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>at AC-3 at 400 V rated value</li> <li>6.3 A</li> </ul> operating power <ul> <li>6.3 A</li> </ul>	ambient temperature	
• 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  operational current rated value  operational current rated value  • at AC-3 at 400 V rated value  • 6.3 A  operating power	during operation	-50 +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  • at AC-3 rated value maximum  operational current rated value  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  operating power	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  operational current rated value  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  operating power	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  operating frequency rated value  operational current rated value  • at AC-3 at 400 V rated value  operating power	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  operating frequency rated value  operational current rated value  • at AC-3 at 400 V rated value  operating power  4.5 6.3 A	Main circuit	
dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current rated value  • at AC-3 at 400 V rated value  6.3 A  operating power	number of poles for main current circuit	3
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>at AC-3 at 400 V rated value</li> <li>6.3 A</li> <li>operating power</li> </ul>		4.5 6.3 A
● at AC-3 rated value maximum  operating frequency rated value  operational current rated value  operational current  ● at AC-3 at 400 V rated value  6.3 A  operating power	operating voltage	
operating frequency rated value 50 60 Hz operational current rated value 6.3 A operational current  • at AC-3 at 400 V rated value 6.3 A operating power	• rated value	20 690 V
operational current rated value 6.3 A  operational current  • at AC-3 at 400 V rated value 6.3 A  operating power	at AC-3 rated value maximum	690 V
operational current  • at AC-3 at 400 V rated value  operating power  6.3 A	operating frequency rated value	50 60 Hz
• at AC-3 at 400 V rated value 6.3 A  operating power	operational current rated value	6.3 A
operating power	operational current	
	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	6.3 A
• at AC-3	operating power	
	• at AC-3	

— at 230 V rated value	1.5 kW
— at 400 V rated value	2.2 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
operating frequency	
<ul> <li>at AC-3 maximum</li> </ul>	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)	uleilliai
	400 kA
at AC at 400 V rated value  at AC at 400 V rated value	100 kA
at AC at 400 V rated value	100 kA
at AC at 500 V rated value	100 kA
at AC at 690 V rated value	6 kA
operating short-circuit current breaking capacity (Ics) at AC	
<ul> <li>at 240 V rated value</li> </ul>	100 kA
<ul> <li>at 400 V rated value</li> </ul>	100 kA
at 500 V rated value	100 kA
at 690 V rated value	4 kA
response value current of instantaneous short-circuit trip unit	82 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
Installation/ mounting/ dimensions	
Installation/ mounting/ dimensions mounting position	any
mounting position	any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
mounting position fastening method	
mounting position	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
mounting position fastening method height width	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm
mounting position fastening method height width depth	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm
mounting position fastening method height width depth required spacing	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — upwards — upwards — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 9 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side  • for live parts at 400 V — downwards — upwards — at the side  • for live parts at 400 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side  • for live parts at 400 V — downwards — upwards — at the side  • for live parts at 400 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm 30 mm 30 mm 30 mm 30 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm 30 mm 30 mm 30 mm 30 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V  — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — upwards — upwards — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm  0 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — upwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm  0 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V  — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm 30 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side  • for live parts at 400 V  — downwards — upwards — at the side  • for grounded parts at 500 V — downwards — upwards — at the side  • for grounded parts at 500 V — downwards — upwards — at the side  • for live parts at 500 V — downwards — at the side  • for live parts at 500 V — downwards — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm 30 mm 30 mm 30 mm 30 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side  • for live parts at 400 V — downwards — upwards — at the side  • for grounded parts at 500 V — downwards — upwards — at the side  • for grounded parts at 500 V — downwards — at the side  • for live parts at 500 V — downwards — at the side  • for live parts at 500 V — downwards — at the side  • for live parts at 500 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm 30 mm 30 mm 30 mm 30 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V  — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 690 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  119 mm  45 mm  97 mm  0 mm  30 mm  30 mm  9 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V  — downwards — upwards — at the side  • for grounded parts at 500 V  — downwards — upwards — at the side  • for live parts at 500 V  — downwards — upwards — at the side  • for live parts at 500 V  — downwards — at the side  • for grounded parts at 500 V  — downwards — upwards — at the side  • for grounded parts at 690 V — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  119 mm  45 mm  97 mm  0 mm  30 mm  30 mm  30 mm  9 mm  30 mm  9 mm  30 mm  9 mm  50 mm  50 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V  — downwards  — upwards  — at the side  • for grounded parts at 500 V  — downwards  — upwards  — at the side  • for live parts at 500 V  — downwards  — upwards  — at the side  • for live parts at 500 V  — downwards  — upwards  — at the side  • for grounded parts at 690 V  — downwards  — upwards  — at the side  • for grounded parts at 690 V  — downwards  — upwards  — backwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  119 mm  45 mm  97 mm  0 mm  30 mm  30 mm  30 mm  9 mm  30 mm  9 mm  30 mm  9 mm  50 mm  50 mm  50 mm  50 mm  0 mm
mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  119 mm  45 mm  97 mm  0 mm  30 mm  30 mm  9 mm  30 mm  9 mm  30 mm  9 mm  50 mm  50 mm

• for live parts at 690 V - downwards 50 mm - upwards 50 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm type of electrical connection • for main current circuit spring-loaded terminals arrangement of electrical connectors for main current Top and bottom type of connectable conductor cross-sections · for main contacts - solid or stranded 2x (1 ... 10 mm²) - finely stranded with core end processing 2x (1 ... 6 mm²) - finely stranded without core end processing 2x (1 ... 6 mm²) design of screwdriver shaft Diameter 3 mm size of the screwdriver tip 3,0 x 0,5 mm Safety related data T1 value for proof test interval or service life according to IEC 10 a protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front display version for switching status

ertificates/ approvais

**General Product Approval** 

**Declaration of Conformity** 

**Test Certificates** 

Confirmation

FAI





Type Test Certificates/Test Report

**Test Certificates** 

Marine / Shipping

<u>KC</u>

Special Test Certificate











Marine / Shipping

other

Railway



Confirmation



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=3RV2021-1GA20-0BA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2021-1GA20-0BA0

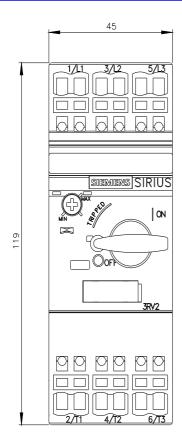
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

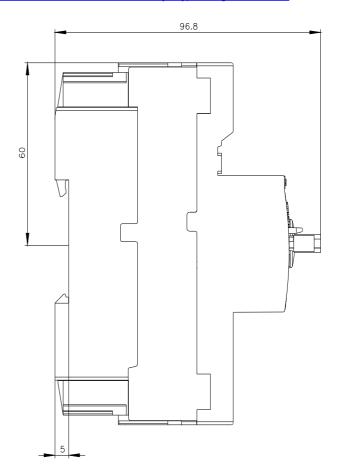
https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-1GA20-0BA0

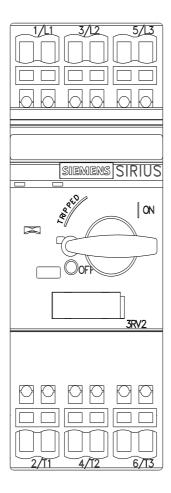
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

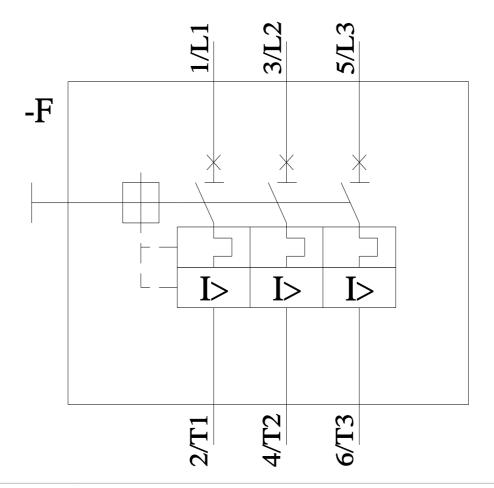
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2021-1GA20-0BA0\&lang=en}}$ 

Characteristic: Tripping characteristics, I2t, Let-through current









last modified: 11/21/2022 🖸