## SIEMENS

## Data sheet

## 3RV2021-4DA20-0BA0



Special type Circuit breaker size S0 for motor protection, CLASS 10 A-release 18...25 A N-release 325 A Spring-type terminal Standard switching capacity Ambient temperature -50  $^\circ$ C 500 switching cycles

product brand name         SIRUS           product designation         Oircuit breaker           design of the product         For motor protection           product type designation         3RV2           size of the circuit-breaker         S0           size of contactor can be combined company-specific         S00, S0           product designation auxiliary switch         Yes           power loss [W] for rated value of the current            • at AC in hot operating state         10.5 W           • at AC in hot operating state per pole         3.5 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           surger voltage resistance rated value         64V V           shock resistance according to IEC 60068-277         25g / 11 ms           mechanical service life (operating cycles) typical         500           • of auxiliary contacts typical         500           e of earling cycles by lypical         500           reference code according to IEC 8136-2         Q           Substance Prohibitance (Date)         10/01/2009           Ambient engineerature         2000 m           ambient engineerature         40/mg cortacts typical           - during strated value         50 480 °C           - relativalue		
design of the product         For motor protection           product type designation         3RV2           size of the circuit-breaker         S0           size of a contactor can be combined company-specific         S0, S0           product extension auxiliary switch         Yes           power loss [W] for rated value of the current         10.5 W           • at AC in hot operating state         10.5 W           • at AC in hot operating state per pole         3.5 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           super voltage resistance rated value         64 V           shock resistance according to IEC 60068-2-27         25g /11 ms           mechanical service life (operating cycles)         500           • of auxiliary contacts typical         500           of auxiliary contacts typical         500           substance Prohibitance (Date)         10/01/2009           Ambient conditions         2000 m           installation altitude at height above sea level maximum         2000 m           ambient temperature         -50 +60 °C           • during operation         -50 +60 °C           • during operation         10 95 %           Main circuit         3           number of poles for main current circ	product brand name	SIRIUS
product type designation         3RV2           General technical data	product designation	Circuit breaker
Conneral technical data           size of the circuit-breaker         S0           size of the circuit-breaker         S0, S0           product extension auxiliary switch         Yes           power loss [W] for rated value of the current         10.5 W           • at AC in hot operating state         10.5 W           • at AC in hot operating state per pole         3.5 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           surge voltage resistance rated value         61 V           shock resistance according to IEC 60068-227         25g /11 ms           mechanical service IIfe (operating cycles)         500           • of auxiliary contracts typical         500           e darularing contracts typical         500           electrical endurance (operating cycles) typical         500           substance Prohibitance (Date)         10/01/2009           Ambient conditions         2000 m           anbient timperature         -50 +60 °C           • during operation         -50 +60 °C           • during operation         -50 +60 °C           • during operation         10 95 %           Main circuit         3           adjustable current response value current of the current-         20 690 V	design of the product	For motor protection
size of the circuit-breaker     S0       size of contactor can be combined company-specific     S00, S0       product extension auxiliary switch     Yes       power loss [W] for rated value of the current     10.5 W       • at AC in hot operating state     10.5 W       insulation voltage with degree of pollution 3 at AC rated value     690 V       surge voltage resistance rated value     64V       shock resistance according to IEC 60068-2:27     25g/ 11 ms       mechanical service IIf(e (operating cycles))     600       • of the main contacts typical     500       • of auxiliary contacts typical     500       electrical endurance (operating cycles) typical     500       electrical endurance (operating cycles) typical     500       installation allitude at height above sea level maximum     2 000 m       ambient conditions     2000 m       installation allitude at height above sea level maximum     2 000 m       antibient transport     -50 +60 °C       • during torage     -50 +60 °C       • during torage     -50 +80 °C       • during torage of poles for main current circuit     3       adjusta	product type designation	3RV2
size of contactor can be combined company-specific     S00, S0       product extension auxiliary switch     Yes       power loss [W] for rated value of the current        • et AC in hot operating state     10.5 W       • at AC in hot operating state per pole     3.5 W       surge voltage resistance rated value     68 V       surge voltage resistance rated value     68 V       • of auxiliary contacts typical     500       • of fac milliary contacts typical     500       • of auxiliary contacts typical     500       electrical endurance (operating cycles) typical     500       electrical endurance (operating cycles) typical     500       substance Prohibitance (Date)     10/01/2009       Ambient conditions     -50 +60 °C       • during storage     -50 +60 °C       • during transport     -50 +60 °C       • elact value     20 690 V       • elated value     20 690 V	General technical data	
product extension auxiliary switch     Yes       power loss [W] for rated value of the current     0.5 W       • at AC in hot operating state     10.5 W       • at AC in hot operating state per pole     3.5 W       insulation voltage with degree of pollution 3 at AC rated value     600 V       surge voltage resistance according to IEC 60068-227     25g / 11 ms       mechanical service life (operating cycles)     500       • of auxiliary contacts typical     500       electrical endurance (operating cycles) typical     500       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     10/01/2009       Amblent conditions     10/01/2009       installation altitude at height above sea level maximum     2 000 m       amblent temperature     -50 +60 °C       • during torage     -50 +60 °C       • during torage     -50 +60 °C       • during transport     -50 +60 °C       • during transport     -50 +60 °C       • during transport     -50 +60 °C       • at AC arised value current of the current-dependent overload release     0       operating requency rated value     20 690 V       • at AC-3 rated value maximum     690 V       • at AC-3 rated value     50 600 V       • at AC-3 rated value     50 600 V       •	size of the circuit-breaker	S0
power loss [W] for rated value of the current     10.5 W       • at AC in hot operating state     10.5 W       • at AC in hot operating state per pole     3.5 W       insultation voltage with degree of pollution 3 at AC rated value     680 V       surge voltage resistance rated value     6 kV       shock resistance according to EEC 60068-2-27     25g / 11 ms       mechanical service life (operating cycles)     6 kV       • of the main contacts typical     500       • of the main contacts typical     500       • of auxiliary contacts typical     500       reference code according to EEC 81346-2     Q       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     1001/2009       installation altitude at height above sea level maximum     2 000 m       ambient temperature     0       • during operation     -50 +60 °C       • during transport     -50 +80 °C       • during transport     -50 +80 °C       relative humidity during operation     10 95 %       Main circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current-deponed to vertade value     20 690 V       • atad Value     20 690 V       • atad value     20 690 V       • atad value     20	size of contactor can be combined company-specific	S00, S0
• at AC in hot operating state     10.5 W       • at AC in hot operating state per pole     3.5 W       insulation voltage with degree of pollution 3 at AC rated value     690 V       surge voltage resistance rated value     64V       shock resistance according to IEC 60068-2-27     25g / 11 ms       mechanical service life (operating cycles)     600 V       • of auxiliary contacts typical     500       • of auxiliary contacts typical     500       electrical endurance (operating cycles) typical     500       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     10/01/2009       Ambient conditions     -50 +60 °C       • during storage     -50 +60 °C       • during transport     -50 +80 °C       relative humidity during operation     10 95 %       Main circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current-     690 V       • at AC-3 rated value     20 690 V       • at AC-3 rated value     25 A       operating requency rated value     25 A	product extension auxiliary switch	Yes
• at AC in hot operating state per pole     3.5 W       insulation voltage with degree of pollution 3 at AC rated value     690 V       surge voltage resistance according to IEC 60068-2:27     25g / 11 ms       mechanical service life (operating cycles)     6 kV       • of the main contacts typical     500       • of auxiliary contacts typical     500       • electrical endurance (operating cycles) typical     500       • electrical endurance (operating cycles) typical     500       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     10/01/2009       installation altitude at height above sea level maximum     2 000 m       ambient temperature     -50 +60 °C       • during storage     -50 +60 °C       • during storage     -50 +60 °C       • during storage     -50 +80 °C       relative humidity during operation     10 95 %       Main circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current-     400 V       operating voltage     -0 690 V       • at AC-3 rated value     20 690 V       • at AC-3 rated value     20 600 V       • at AC-3 rated value     25 A       operational current <td< th=""><th>power loss [W] for rated value of the current</th><th></th></td<>	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 6 kV shock resistance according to IEC 60068-2:27 25g / 11 ms mechanical service life (operating cycles) • of the main contacts typical 500 • of auxiliary contacts typical 500 electrical endurance (operating cycles) typical 500 electrical endurance (operating cycles) 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 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating frequency rated value • at AC-3 rated value •	<ul> <li>at AC in hot operating state</li> </ul>	10.5 W
surge voltage resistance rated value       6 kV         shock resistance according to IEC 60068-2:27       25g / 11 ms         mechanical service life (operating cycles)       500         • of the main contacts typical       500         electrical endurance (operating cycles) typical       500         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       10/01/2009         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -         • during operation       -50 +60 °C         • during transport       -50 +80 °C         • at AC-3 aread value current of the current-       18 25 A         operating voltage       -       -         • at AC-3 rated value       50 60 Hz         operational current       25 A	<ul> <li>at AC in hot operating state per pole</li> </ul>	3.5 W
shock resistance according to IEC 60068-2-27       25g / 11 ms         mechanical service life (operating cycles)       60         • of the main contacts typical       500         • of auxiliary contacts typical       500         electrical endurance (operating cycles) typical       500         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       10x00 m         ambient temperature       -50 +60 °C         • during operation       -50 +60 °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       20 690 V         operating frequency rated value       50 60 HZ         operational current axistum       690 V         operational current rated value       25 A         operational current       25 A         operational current       25 A	insulation voltage with degree of pollution 3 at AC rated value	690 V
mechanical service life (operating cycles)       500         • of the main contacts typical       500         electrical endurance (operating cycles) typical       500         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -50 +60 °C         • during operation       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-       18 25 A         operating voltage	surge voltage resistance rated value	6 kV
• of the main contacts typical     500       • of auxiliary contacts typical     500       electrical endurance (operating cycles) typical     500       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     100/1/2009       Ambient conditions     2 000 m       ambient temperature     -50 +60 °C       • during operation     -50 +60 °C       • during transport     -50 +80 °C       relative humidity during operation     10 95 %       Main circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current-     490 V       operating voltage     690 V       • at AC-3 rated value     500 600 V       • at AC-3 at 400 V rated value     25 A       operational current     600 V       • at AC-3 at 400 V rated value     25 A       operating power     25 A	shock resistance according to IEC 60068-2-27	25g / 11 ms
• of auxiliary contacts typical500electrical endurance (operating cycles) typical500reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 mambient temperature-• during operation-50 +60 °C• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3adjustable current response value current of the current- dependent overload release18 25 Aoperating voltage20 690 V• at AC-3 rated value20 60 Hzoperational current25 Aoperational current25	mechanical service life (operating cycles)	
electrical endurance (operating cycles) typical       500         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -         • during operation       -50 +60 °C         • during storage       -50 +60 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-       18 25 A         operating voltage       -60 ·V         • at AC-3 rated value maximum       690 V         operational current rated value       25 A         operational current       25 A	<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       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -50 +60 °C         • during operation       -50 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-       18 25 A         dependent overload release       690 V         operating voltage       50 600 V         • at AC-3 rated value       50 60 Hz         operating lency rated value       50 60 Hz         operational current       25 A         operating lency rated value       25 A         operating power       25 A	<ul> <li>of auxiliary contacts typical</li> </ul>	500
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       2 000 m         • during operation       -50 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       20 690 V         operating frequency rated value       50 60 Hz         operating frequency rated value       25 A         operating current       25 A         operating lower       25 A	electrical endurance (operating cycles) typical	500
Ambient conditions         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -50 +60 °C         • during operation       -50 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       18 25 A         operating voltage       -         • rated value       20 690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating current rated value       25 A         operating current       25 A         operating power       25 A	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum       2 000 m         ambient temperature       -50 +60 °C         • during operation       -50 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       18 25 A         operating voltage       -         • rated value       20 690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current       25 A         operational current       25 A         operating power       25 A	Substance Prohibitance (Date)	10/01/2009
ambient temperature       -50 +60 °C         • during operation       -50 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       18 25 A         operating voltage       20 690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current       25 A         operational current       25 A         operating power       25 A	Ambient conditions	
• during operation-50 +60 °C• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release18 25 Aoperating voltage20 690 V• at AC-3 rated value50 600 Hzoperating frequency rated value50 600 Hzoperational current25 Aoperational current25 Aoperating power25 A	installation altitude at height above sea level maximum	2 000 m
• during transport-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release18 25 Aoperating voltage20 690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value25 Aoperational current25 Aoperational current25 Aoperational current25 Aoperating power25 A	ambient temperature	
• during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       18 25 A         operating voltage       20 690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       25 A         operational current       25 A         operating power       25 A	<ul> <li>during operation</li> </ul>	-50 +60 °C
relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       18 25 A         operating voltage       20 690 V         • rated value       20 690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       25 A         operational current       25 A         • at AC-3 at 400 V rated value       25 A	during storage	-50 +80 °C
Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       18 25 A         operating voltage       20 690 V         • rated value       20 690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       25 A         operational current       25 A         • at AC-3 at 400 V rated value       25 A	<ul> <li>during transport</li> </ul>	-50 +80 °C
number of poles for main current circuit3adjustable current response value current of the current- dependent overload release18 25 Aoperating voltage 	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release18 25 Aoperating voltage18 25 A• rated value20 690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value25 Aoperational current25 A• at AC-3 at 400 V rated value25 Aoperating power25 A	Main circuit	
dependent overload release     An Advance       operating voltage     20 690 V       • rated value     20 690 V       • at AC-3 rated value maximum     690 V       operating frequency rated value     50 60 Hz       operational current rated value     25 A       operating power     25 A	number of poles for main current circuit	3
• rated value     20 690 V       • at AC-3 rated value maximum     690 V       operating frequency rated value     50 60 Hz       operational current rated value     25 A       operating at AC-3 at 400 V rated value     25 A       operating power     25 A		18 25 A
• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value25 Aoperational current25 Aoperating power25 A	operating voltage	
operating frequency rated value     50 60 Hz       operational current rated value     25 A       operational current     25 A       • at AC-3 at 400 V rated value     25 A       operating power     25 A	rated value	20 690 V
operational current rated value     25 A       operational current     25 A       • at AC-3 at 400 V rated value     25 A       operating power     25 A	at AC-3 rated value maximum	690 V
operational current     25 A       operating power     25 A	operating frequency rated value	50 60 Hz
• at AC-3 at 400 V rated value 25 A operating power	operational current rated value	25 A
operating power	operational current	
	• at AC-3 at 400 V rated value	25 A
• at AC-3	operating power	
	• at AC-3	

	551W
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	15 kW
— at 690 V rated value	22 kW
operating frequency	
• at AC-3 maximum	15 1/h
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	Ne
ground fault detection	No
phase failure detection	CLASS 10
_ trip class design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	liema
at AC at 240 V rated value	50 kA
at AC at 400 V rated value	50 KA
at AC at 500 V rated value	10 KA
at AC at 690 V rated value	4 kA
operating short-circuit current breaking capacity (Ics) at AC	
• at 240 V rated value	25 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	325 A
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	gG 63 A
• at 500 V	gG 50 A
● at 500 V ● at 690 V	-
at 500 V     at 690 V Installation/ mounting/ dimensions	gG 50 A gG 50 A
at 500 V     at 690 V Installation/ mounting/ dimensions mounting position	gG 50 A gG 50 A any
at 500 V     at 690 V Installation/ mounting/ dimensions mounting position fastening method	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
at 500 V     at 690 V Installation/ mounting/ dimensions mounting position fastening method height	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm
at 500 V     at 690 V Installation/ mounting/ dimensions mounting position fastening method height width	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm
at 500 V     at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm
at 500 V     at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm
at 500 V     at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions mounting position <ul> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> </ul>	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> </ul>	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>— downwards</li> </ul>	gG 50 A gG 50 A any 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
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> </ul>	gG 50 A gG 50 A any 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
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> </ul>	gG 50 A gG 50 A any 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
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts at 400 V</li> </ul>	gG 50 A gG 50 A any 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
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts at 400 V</li> <li>downwards</li> <li>ot the side</li> </ul>	gG 50 A gG 50 A any 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
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> </ul>	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 97 mm 0 mm 30 mm 30 mm 30 mm 30 mm
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<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <ul> <li>downwards</li> <li>upwards</li> <li>at the side</li> </ul> I for live parts at 400 V <ul> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts at 500 V</li> <li>downwards</li> <li>downwards</li> <li>at the side</li> </ul> </ul>	gG 50 A gG 50 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 0 mm 30 mm 9 mm 30 mm 9 mm 30 mm
<ul> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts at 500 V</li> <li>downwards</li> <li>upwards</li> </ul>	gG 50 A gG 50 A any 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
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— upwards			50 mm			
— backwards			0 mm			
— at the side			30 mm			
— forwards			0 mm			
<ul> <li>for live parts at 6</li> </ul>	90 V					
— downwards			50 mm			
— upwards			50 mm			
- backwards			0 mm			
— at the side			30 mm			
— forwards			0 mm			
Connections/ Terminals						
type of electrical conn						
<ul> <li>for main current of</li> </ul>			spring-loaded terminals			
	ical connectors for main	current	Top and bottom			
	onductor cross-sections					
• for main contacts						
			2x(1 + 10 - 2x)			
— solid or stra			2x (1 10 mm <sup>2</sup> )			
-	ded with core end process		2x (1 6 mm²)			
	ded without core end proc	essing	2x (1 6 mm²)			
design of screwdriver			Diameter 3 mm			
size of the screwdriver tip		3,0 x 0,5 mm				
Safety related data						
T1 value for proof test in 61508	nterval or service life acco	rding to IEC	10 a			
protection class IP on	the front according to I	EC 60529	IP20			
touch protection on th	ne front according to IEC	60529	finger-safe, for vertical contact from the front			
display version for swite	ching status		Handle			
Certificates/ approvals	-					
General Product App	roval		Declaration of Confo	ormity	Test Certificates	
				-		
<u>Confirmation</u>	KC	EHC	C C EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	
Test Certificates	Marine / Shipping					
<u>Special Test Certific-</u> <u>ate</u>	ABS			Lloyds Register	PRS	
Marine / Shipping	other	VERITAS	Railway			
RINA	<u>Confirmation</u>	UDE VDE	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=3RV2021-4DA20-0BA0 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2021-4DA20-0BA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-4DA20-0BA0

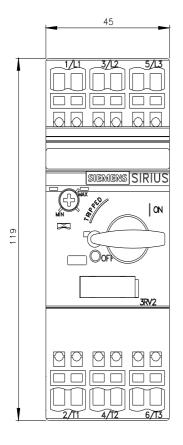
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2021-4DA20-0BA0&lang=en

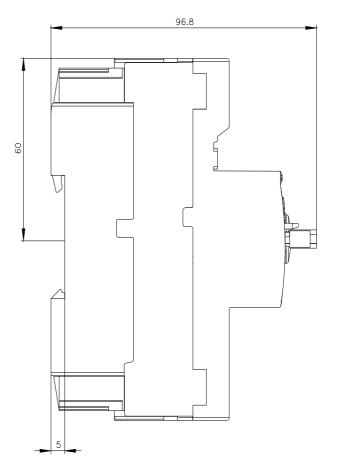
Characteristic: Tripping characteristics, I2t, Let-through current

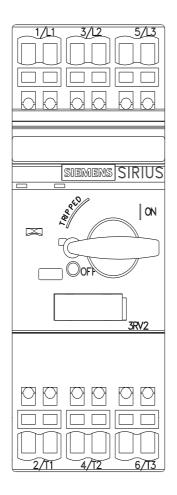
https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-4DA20-0BA0/char

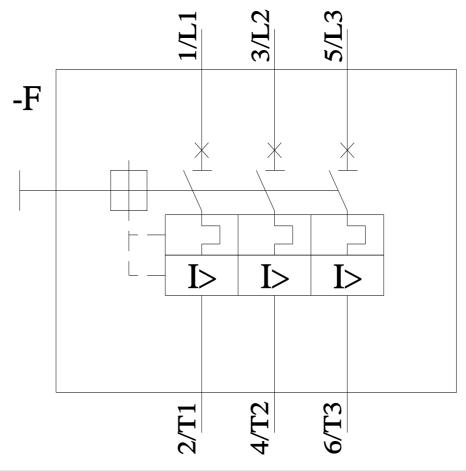
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2021-4DA20-0BA0&objecttype=14&gridview=view1









11/21/2022 🖸

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