3RV2011-1HA10-0BA0

## **Data sheet**



Special type Circuit breaker size S00 for motor protection, CLASS 10 A-release 5.5...8 A N-release 104 A screw terminal Standard switching capacity Ambient temperature -50  $^{\circ}$ C 500 switching cycles

product designation design of the product product type designation 3RV2  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 on the current state of the with degree of pollution 3 at AC rated at AC in hot operating on the current at AC rated at AC in hot operating state per pole at AC in hot operating at AC in hot operatine at AC in hot operatine state at AC in hot operatine at AC in hot operation at AC in hot operatine operation at AC in hot operatine op	product brand name	SIRIUS
Second technical data	product designation	Circuit breaker
size of the circuit-breaker   S00   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   9,25 W   insulation voltage with degree of pollution 3 at AC rated value   value   surge voltage resistance rated value   6 kV   shock resistance according to IEC 60068-2-27   25g / 11 ms   mechanical service Iif 6 (switching cycles)   • of the main contacts typical   500   • of auxiliary contacts typical   500   electrical endurance (switching cycles)   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   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   operations  current rated value   20 690 V   operational current rated value   000 V   operational current value   000 V   operat	design of the product	For motor 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 • 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 (switching cycles) • of the main contacts typical • of auxiliary contacts typical solution of auxiliary contacts typical electrical endurance (switching 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  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  operational current • at AC-3 at 400 V rated value  operational current • at AC-3 at 400 V rated value  operational current • at AC-3 at 400 V rated value  operational current • at AC-3 at 400 V rated value	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	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 shock resistance according to IEC 60068-2-27  mechanical service life (switching cycles) • of the main contact typical • of auxiliary contacts typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) 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  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 rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value	size of the circuit-breaker	S00
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 (switching cycles) of the main contacts typical of auxiliary contacts typical of auxiliary contacts typical selectrical endurance (switching cycles) typical electrical endurance (switching cycles) typical reference code according to IEC 81346-2 Quuntification altitude at height above sea level maximum ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport storage during transport storage during transport 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 arated value operational current rated value operational current at AC-3 at 400 V rated value	size of contactor can be combined company-specific	S00, S0
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  surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (switching cycles) of the main contacts typical 500 electrical endurance (switching cycles) typical 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 ambient temperature during operation 500 +60 °C during storage 50 +80 °C during transport 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 frequency rated value 50 60 Hz operational current rated value 50 60 Hz operational current rated value 64 AC-3 at 400 V rated value 8 A	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 690 V shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (switching cycles) of the main contacts typical 500 of auxiliary contacts typical 500 electrical endurance (switching cycles) typical 500 pollution of auxiliary contacts typical 500 pollution of auxiliary contacts typical 500 pollution of auxiliary contacts typical 500 pollution of according to IEC 81346-2 pollution of according to IEC	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  mechanical service life (switching cycles) of auxiliary contacts typical of auxiliary contacts typical electrical endurance (switching cycles) typical reference code according to IEC 81346-2 Questical endurance (switching cycles) typical reference code according to IEC 81346-2 Questical endurance (switching cycles) typical reference code according to IEC 81346-2 Questical endurance (switching cycles) typical reference code according to IEC 81346-2 Questical endurance (switching cycles) typical reference code according to IEC 81346-2 Questical endurance (switching cycles) typical reference code according to IEC 81346-2 Questical endurance (switching cycles) typical reference code according to IEC 81346-2 Questical endurance (switching cycles) typical substance Prohibitance (Date) 10/01/2009 Ambient temperature during operation -50 +60 °C -50 +80 °C -50 +8	<ul> <li>at AC in hot operating state</li> </ul>	9.25 W
value     surge voltage resistance rated value     6 kV       shock resistance according to IEC 60068-2-27     25g / 11 ms       mechanical service life (switching cycles)     500       • of the main contacts typical     500       • of auxiliary contacts typical     500       electrical endurance (switching 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     4 uring operation       • during storage     -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     5.5 8 A       operating voltage     • rated value     20 690 V       • at AC-3 rated value maximum     690 V       operational current rated value     50 60 Hz       operational current acted value     8 A       operational current     8 A	at AC in hot operating state per pole	3.1 W
shock resistance according to IEC 60068-2-27  shock resistance according to IEC 60068-2-27  shock resistance according to IEC 60068-2-27  of auxiliary contacts typical of the main contacts typical of auxiliary contacts typical electrical endurance (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum ambient temperature of during operation of during storage of during storage of 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 operating voltage operating requency rated value operational current operational		690 V
mechanical service life (switching cycles)  • of the main contacts typical  • of auxiliary contacts typical  electrical endurance (switching 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  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	surge voltage resistance rated value	6 kV
of the main contacts typical of auxiliary contacts typical clectrical endurance (switching 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 of during operation 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 or at AC-3 rated value maximum operational current  at AC-3 at 400 V rated value	shock resistance according to IEC 60068-2-27	25g / 11 ms
of auxiliary contacts typical electrical endurance (switching 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     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     at AC-3 at 400 V rated value	mechanical service life (switching cycles)	
electrical endurance (switching 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  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	<ul> <li>of the main contacts typical</li> </ul>	500
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 • rated value • at AC-3 rated value maximum  operational current rated value  operational current rated value  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  8 A	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 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 rated value  operational current rated value  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  8 A	electrical endurance (switching cycles) typical	500
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 • 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  ambient temperature  2 0 00 m  -50 +60 °C  -50 +80	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  operational current rated value  operational current rated value • at AC-3 at 400 V rated value • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  8 A	Substance Prohibitance (Date)	10/01/2009
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  operational current rated value  standard value	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>telative humidity during operation</li> <li>Main circuit</li> <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>operational current rated value</li> <li>A</li> <li>B</li> <li>A</li> <li>A</li> <li>A</li> <li>B</li> <li>A</li> <li>A</li> <li>B</li> <li>A</li> <li>A</li> <li>A</li> <li>B</li> <li>A</li> <li>A</li> <li>A</li> <li>B</li> <li>A</li> <li>A</li> <li>A</li> <li>B</li> <li>A</li> <li>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>operational current rated value</li> <li>at AC-3 at 400 V rated value</li> <li>at AC-3 at 400 V rated value</li> </ul>	ambient temperature	
<ul> <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>operating frequency rated value</li> <li>operational current rated value</li> <li>at AC-3 at 400 V rated value</li> <li>at AC-3 at 400 V rated value</li> </ul>	<ul> <li>during operation</li> </ul>	-50 +60 °C
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  • at AC-3 at 400 V rated value  8 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  operating frequency rated value  operational current rated value  • at AC-3 at 400 V rated value  8 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  operational current rated value  • at AC-3 at 400 V rated value  8 A	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  8 A	Main circuit	
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  8 A	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>8 A</li> </ul>	adjustable current response value current of the current-dependent overload release	5.5 8 A
<ul> <li>at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> <li>at AC-3 at 400 V rated value</li> <li>8 A</li> </ul>	operating voltage	
operating frequency rated value 50 60 Hz operational current rated value 8 A operational current  • at AC-3 at 400 V rated value 8 A	• rated value	20 690 V
operational current rated value 8 A operational current  • at AC-3 at 400 V rated value 8 A	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
operational current  • at AC-3 at 400 V rated value  8 A	operating frequency rated value	50 60 Hz
at AC-3 at 400 V rated value     8 A	operational current rated value	8 A
	operational current	
operating power	at AC-3 at 400 V rated value	8 A
	operating power	

-+ ^ 0	
• at AC-3	4.5.124
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	4 kW
— at 690 V rated value	5.5 kW
operating frequency	4-40
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	
<ul> <li>ground fault detection</li> </ul>	No
phase failure detection	Yes
trip class	CLASS 10
design of the overload release	thermal
breaking capacity maximum short-circuit current (Icu)	
<ul> <li>at AC at 240 V rated value</li> </ul>	100 kA
<ul> <li>at AC at 400 V rated value</li> </ul>	100 kA
<ul> <li>at AC at 500 V rated value</li> </ul>	42 kA
at AC at 690 V rated value	6 kA
breaking capacity operating short-circuit current (lcs) at AC	
• at 240 V rated value	100 kA
at 400 V rated value	100 kA
at 500 V rated value	42 kA
at 690 V rated value	4 kA
response value current of instantaneous short-circuit trip	104 A
unit	
Short-circuit protection	
Short-circuit protection product function short circuit protection	Yes
	Yes magnetic
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit	
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit	magnetic
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V	magnetic gG 50 A
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V	gG 50 A gG 40 A
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  at 400 V  at 500 V  at 690 V	magnetic gG 50 A
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions	magnetic  gG 50 A  gG 40 A  gG 35 A
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions mounting position	magnetic  gG 50 A gG 40 A gG 35 A  any
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions	magnetic  gG 50 A  gG 40 A  gG 35 A
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions mounting position	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions mounting position fastening method  height	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height width depth required spacing	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height width depth required spacing • for grounded parts at 400 V	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm 97 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • for grounded parts at 400 V  — downwards	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm 97 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height width depth required spacing • for grounded parts at 400 V — downwards — upwards	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm 97 mm 30 mm 30 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm 97 mm 30 mm 30 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height width depth required spacing • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm 97 mm  30 mm 30 mm 9 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • for grounded parts at 400 V  — downwards  — upwards  — at the side  • for live parts at 400 V  — downwards	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm 97 mm  30 mm 30 mm 9 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm 97 mm  30 mm 30 mm 30 mm 30 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height  width depth  required spacing • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — upwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — upwards — at the side	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  97 mm 45 mm 97 mm  30 mm 30 mm 30 mm 30 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  at 400 V  at 500 V  at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height  width  depth  required spacing  for grounded parts at 400 V  downwards  upwards  at the side  for live parts at 400 V  downwards  upwards  upwards  at the side  for grounded parts at 500 V	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm 97 mm  30 mm 30 mm 9 mm 30 mm 9 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  height width depth required spacing • 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	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm 97 mm  30 mm 30 mm 9 mm 30 mm 9 mm 30 mm 9 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • 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	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm 97 mm  30 mm 30 mm 9 mm 30 mm 30 mm 30 mm 30 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • 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 grounded parts at 500 V  — downwards — upwards — at the side  • for grounded parts at 500 V  — downwards — upwards — at the side	magnetic  gG 50 A gG 40 A gG 35 A  any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 97 mm 45 mm 97 mm  30 mm 30 mm 9 mm 30 mm 30 mm 30 mm 30 mm

— upwards	30 mm
— at the side	9 mm
<ul> <li>for grounded parts at 690 V</li> </ul>	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
<ul> <li>for live parts at 690 V</li> </ul>	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	screw-type terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections	
<ul> <li>for main contacts</li> </ul>	
<ul><li>— solid or stranded</li></ul>	2x (0,75 2,5 mm²), 2x 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
tightening torque	
for main contacts with screw-type terminals	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
<ul> <li>for main contacts</li> </ul>	M3
Safety related data	
T1 value for proof test interval or service life according to IEC 61508	10 y

IP20

Certificates/ approvals

60529

**General Product Approval** 

display version for switching status

**Declaration of Conformity** 

finger-safe, for vertical contact from the front

**Test Certificates** 

Confirmation

<u>KC</u>

protection class IP on the front according to IEC

touch protection on the front according to IEC 60529







Special Test Certificate

**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report











Marine / Shipping

other

Railway





Confirmation



Confirmation

Vibration and Shock

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=3RV2011-1HA10-0BA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1HA10-0BA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1HA10-0BA0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2011-1HA10-0BA0&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1HA10-0BA0/char

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1HA10-0BA0&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1HA10-0BA0&objecttype=14&gridview=view1</a>

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