## SIEMENS

## Data sheet

## 3RV2021-4BA10



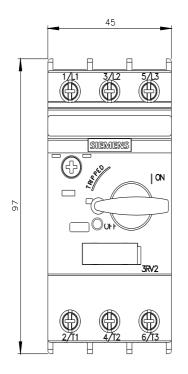
Circuit breaker size S0 for motor protection, CLASS 10 A-release 13...20 A N-release 260 A screw terminal Standard switching capacity

4/11 4/12 6/13	
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
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	
<ul> <li>at AC in hot operating state</li> </ul>	10.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	3.5 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (operating cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
<ul> <li>of auxiliary contacts typical</li> </ul>	100 000
electrical endurance (operating cycles) typical	100 000
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
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	
<ul> <li>during operation</li> </ul>	-20 +60 °C
<ul> <li>during storage</li> </ul>	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	13 20 A
operating voltage	
rated value	20 690 V
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operating frequency rated value	50 60 Hz
operational current rated value	20 A
operational current	

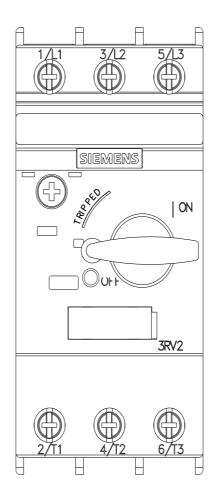
• at AC3 at 400 vtade valueS0 Aoperating pover-• at AC3 at 230 vtated value5.5 kW- at 300 vtated value7.5 kW- at 300 vtated value15 kW- at 300 vtated value5.5 kW- at 300 vtated value11 kW- at 300 vtated value15 kW- at 300 vtated value15 kW- at 300 vtated value15 kW- at 300 vtated value5 5 th- at 300 vtated value0- at 400 vtated valu		00.4
operating power <ul> <li>at 200 V rated value</li> <li>at 200 V rated value</li> <li>at 200 V rated value</li> <li>bt W</li> <li>at 800 v rated value</li> <li>bt M</li> <li>bt M</li> <li>bt M</li> <li>bt M</li></ul>	• at AC-3 at 400 V rated value	20 A
• ArC-3- art ACD Y rater value5.5 W- at 400 Y rater value7.5 W- at 500 Y rater value15 W- at 500 Y rater value15 W- at 210 V rater value5.5 W- at 210 V rater value5.5 W- at 400 Y rater value7.5 W- at 400 Y rater value15 W- at 500 Y rater value15 W- at 500 Y rater value15 W- at 600 Y rater value15 W- at 600 Y rater value15 W- at 600 Y rater value15 M- at 600 Y rater value0- at 600 Y rater value00 SA- at 600 Y rater value00 SA- at 62 at 600 Y rater value00 SA-		20 A
- af 230 V ratio value55 WV- af 260 V ratio value75 KW- af 260 V ratio value11 KW- af 250 V ratio value15 KW- af 250 V ratio value55 KW- af 250 V ratio value55 KW- af 250 V ratio value75 KW- af 250 V ratio value75 KW- af 250 V ratio value75 KW- af 250 V ratio value15 KW- af 250 V ratio value0- af 250 V ratio value15 Fu- af 250 V ratio		
- af 400 V raded value7.5 kW- af 500 V raded value16 kW- af 500 V raded value16 kW- af 400 V raded value7.5 kW- af 400 V raded value7.5 kW- af 500 V raded value15 kM- af 500 V raded value0- prase falle detectionY eds- prase falle detectionY eds- af 500 V raded value55 kA- af 500 V raded value56 kA- af 500 V raded value26 kA- af 500 V raded value1.5 hp af 2		
	— at 400 V rated value	7.5 kW
• all AC-3e>- all 230 V rade value5. KW- all 500 V rade value11. KW- all 500 V rade value15. KWOperating frequency11. KW- all C-3e maximum15. 15. 15. 15. 16 all C-3e maximum15. 15. 16.Auxiliary circuit0number of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0Protection0- product functions0- product functions0- product functions0- product functions0- finale failur detectionYes- finale failur detectionYes- finale failur detectionYes- finale failur detectionYes- finale failur detection100 KA- finale failur detection100 KA- finale failur detection25 KA- finale failur detection25 KA- finale failur detection26 KA- finale failur detection26 KA- finale failur detection20 A- finale failur detection20 A- finale failur detection20 A- finale failur detection20 A- finale failur detection1.5 fbp- all 200 V rated value20 A- finale failur detection20 A- finale failur deta value20 A- finale failur deta value20 A- finale failur deta value3 fbp- finale failur deta value3 fbp- finale failur deta value3 fbp <tr< td=""><td>— at 500 V rated value</td><td>11 kW</td></tr<>	— at 500 V rated value	11 kW
	— at 690 V rated value	15 kW
	● at AC-3e	
	— at 230 V rated value	5.5 kW
− at 890 V rated value     15 kW       operating frequency     15 1 h       • at AC-3 maximum     15 1 h       • at AC-3 maximum     15 1 h       • att AC-3 maximum     0       number of NC contacts for auxillary contacts     0       number of NC contacts for auxillary contacts     0       number of NC contacts for auxillary contacts     0       • ground fault detection     Ves       • ground fault detection     Yes       • ground fault detection     Ves       • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     20 kA       • at 240 V rated value     20 A       • at 240 V rated value     20 A       • at 240 V rated value     20 A       • at 240 V rated value     30 A       • at 240 V rated value     30 A       • at 240 V rated value     20 A       • at 240 V rated value     100 kA       • at 240 V rated value     30 A	— at 400 V rated value	7.5 kW
operating frequency         iiii AC-S maximum           • el AC-S maximum         15 1/h           • el AC-S maximum         15 1/h           • el AC-S maximum         15 1/h           Auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           number of CC contacts for auxiliary contacts         0           Product function         0           • ground fault detection         No           • price auxiliary contacts for auxiliary contacts         0           • ground fault detection         No           • price auxiliary contact for auxiliary contacts         0           • and call detection         Vess           • the call solut detection         Vess           • and call detection         Vess           • el Ad OU rated value         100 kA           • at AC at 400 V rated value         100 kA           • at AC at 600 V rated value         100 kA           • at AC at 600 V rated value         26 KA           • at AC at 600 V rated value         26 KA           • at 600 V rated value         20 A           • at 600 V rated value         20 A           • at 600 V rated value         1.5 ftp           • at 600 V rated value         1.6 ftp	— at 500 V rated value	11 kW
i at AC3 maximum     15 1m       at AC36 maximum     15 1m       Auxiliary circuits     0       number of NC contacts for auxiliary contacts     0       number of AC3 contacts for auxiliary contacts     0       number of AC3 contacts for auxiliary contacts     0       product function     0       • ground fault detection     No       • private fully detection     Vesis       trip class     CLASS 10       design of the overload release     thermail       maximum short-circuit current breaking capacity (lecu)     it AC at 240 V rated value       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     25 kA       • at AC at 500 V rated value     260 A       • at AC at 500 V rated value     260 A       • at 600 V rated value     20 A       • at 600 V rated value     1.5 hp       • at 600 V rated value     3 hp       • for 3 phase AC motor     <	— at 690 V rated value	15 kW
• at AC3e maximum15 1/hAuxiliary cortacts for auxiliary contacts0number of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0Product functionNo• groun failut detectionNo• groun failut detectionNo• groun failut detectionSo• product functionNo• and CA 21 240 Vrated valueCLASS 10design of the overload releaseHermailmaximum short-circuit current breaking capacity (Icu)•• at AC at 400 Vrated value25 KA• at AC at 400 Vrated value10 KA• at AC at 400 Vrated value25 KA• at AC at 600 Vrated value26 KA• at AC at 600 Vrated value20 A• at AC at 600 Vrated value20 A• at 400 Vrated value1.5 Pp• at 400 Vrated value3 hp• for single-phase AC motor1.6 Gri single-phase AC motor• at 400 Vrated value5 hp• at 400 Vrated value5 hp• at 400 Vr	operating frequency	
Auxiliary circuit         0           number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           Protective and monitoring functions         0           product function         No           • phase failure detection         Ves           * phase failure detection         Ves           * phase failure detection         Ves           * at C at 240 V rated value         100 kA           • at AC at 260 V rated value         100 kA           • at AC at 260 V rated value         100 kA           • at AC at 560 V rated value         100 kA           • at AC at 560 V rated value         100 kA           • at AC at 560 V rated value         100 kA           • at AC at 560 V rated value         100 kA           • at AC at 560 V rated value         20 kA           • at AC at 560 V rated value         20 kA           • at 360 V rated value         20 kA           • at 360 V rated value         20 kA           • at 360 V rated value         20 A	• at AC-3 maximum	15 1/h
number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0           product function         0           ergound fault detection         No           • opticates for auxiliary contacts         0           Product function         Ves           • opticate fault detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (Icu)         100 kA           • at A C at 400 V rated value         55 kA           • at AC at 400 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 500 V rated value         25 kA           • at 300 V rated value         25 kA           • at 300 V rated value         26 kA           • at 300 V rated value         20 A           • at 400 V rated value         20 A           • at 300 V rated value         20 A           • at 300 V rated value         20 A           • at 300 V rated value         20 A           • at 480 V rated value         20 A           • at 300 V rated value <td< td=""><td>• at AC-3e maximum</td><td>15 1/h</td></td<>	• at AC-3e maximum	15 1/h
number of NO contacts for auxiliary contacts         0           number of CO contacts for auxiliary contacts         0           Productiv and monitoring functions         0           product function         No           • ground fault detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (ku)         100 kA           • at AC at 400 vrated value         65 kA           • at AC at 400 vrated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 600 vrated value         100 kA           • at AC at 600 V rated value         25 kA           • at 600 V rated value         260 A           • at 600 V rated value         260 A           • at 600 V rated value         20 A           • at 600 V rated value         1.5 hp           • at 600 V rated value         1.5 hp           - at 200 Vrated value         1.5 h	Auxiliary circuit	
number of CO contacts for auxiliary contacts         0           Protect/tww and monitoring functions         -           product function         No           • ground fault detection         Yes           • phase failure detection         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (teu)         -           • at AC at 240 V rated value         100 kA           • at AC at 400 V rated value         55 kA           • at AC at 600 V rated value         100 kA           • at AC at 600 V rated value         100 kA           • at AC at 600 V rated value         25 kA           • at 300 V rated value         25 kA           • at 600 V rated value         25 kA           • at 600 V rated value         26 A           • at 600 V rated value         26 A           • at 600 V rated value         20 A           • at 600 V rated value         1.5 hp           • at 600 V rated value         1.6 rs ingle-phase AC motor           - at 200/200 V rated value	number of NC contacts for auxiliary contacts	0
Protective and monitoring functions           product function           orgound fault detection           vegound fault detection           vegound fault detection           Yes           trip class           CLASS 10           design of the overload release           thermal           maximum short-circuit current breaking capacity (lcu)           • at AC at 400 V rated value           • at AC at 500 V rated value           • at AC at 500 V rated value           • at AC at 500 V rated value           • at AC at 600 V rated value           • at AC at 600 V rated value           • at 400 V rated value           • at 600 V rated value	number of NO contacts for auxiliary contacts	0
Protective and monitoring functions         product function         No           • ground fault detection         Yes           • phase failure detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (lcu)         • at AC at 400 V rated value           • at AC at 400 V rated value         55 kA           • at AC at 500 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 500 V rated value         25 kA           • at AC ot rated value         100 kA           • at AC ot rated value         100 kA           • at 400 V rated value         25 kA           • at 600 V rated value         26 kA           • at 600 V rated value         26 kA           • at 600 V rated value         20 A           • at 600 V rated value         1.5 hp           • at 600 V rated value         1.5 hp           • at 600 V rated value         1.5 hp           • at 400 V vated value         1.5 hp           • at 600		0
product function         No           • ground fault detection         Yes           trip class         CLASS 10           design of the overfoad release         thermal           maximum short-circuit current breaking capacity (Icu)         •           • at AC at 240 V rated value         100 kA           • at AC at 500 V rated value         10 kA           • at AC at 500 V rated value         10 kA           • at AC at 500 V rated value         10 kA           • at AC at 500 V rated value         10 kA           • at AC at 500 V rated value         25 kA           • at 400 V rated value         25 kA           • at 500 V rated value         260 A           • at 600 V rated value         2 kA           • at 800 V rated value         2 kA           • at 800 V rated value         20 A           • at 800 V rated value         20 A           • at 800 V rated value         3 hp           • for single-phase AC motor         1.5 hp           - at 200/200 V rated value         3 hp           • for 3-phase AC motor         1.5 hp           - at 200/200 V rated value         5 hp           - at 200/200 V rated value         5 hp           - at 400/40 V rated value         1.0 hp      <	· · · · · ·	
• ground fault detectionNo• phase failure detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (lcu)100 kA• at AC at 200 V rated value100 kA• at AC at 200 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 600 V rated value100 kA• at AC at 600 V rated value100 kA• at AC at 600 V rated value100 kA• at 600 V rated value5 kA• at 600 V rated value25 kA• at 600 V rated value26 kA• at 600 V rated value20 A• at 600 V rated value1.5 hp• at 200 V rated value3 hp• for 3-phase AC motor1.5 hp- at 200/200 V rated value3 hp• for 3-phase AC motor1.0 hp at 200/200 V rated value5 hp- at 200/200 V rated value5 hp- at 200/200 V rated value1.0 hp.• at 600 V rated value5 hp- at 200/200 V rated value5 hp </td <td></td> <td></td>		
• phase failure detection         Yes           trip class         CLASS 10           deteign of the overhoad release         thermal           maximum short-circuit current breaking capacity (icu)         100 kA           • at AC at 240 V rated value         100 kA           • at AC at 500 V rated value         10 kA           • at AC at 600 V rated value         4 kA           • at AC at 600 V rated value         100 kA           • at AC at 600 V rated value         100 kA           • at 240 V rated value         100 kA           • at 240 V rated value         25 kA           • at 240 V rated value         200 kA           • at 600 V rated value         2 kA           response value current of instantaneous short-circuit trip unt         200 A           ViciSA ratings         200 A           full-load current (FLA) for 3-phase AC motor         1.5 hp           • at 600 V rated value         20 A           • at 600 V rated value         3 hp           • for single-phase AC motor         1.5 hp           • at 200 V rated value         3 hp           • for 3-phase AC motor         1.5 hp           • at 200/208 V rated value         5 hp           • at 200/208 V rated value         1.0 hp.           s		No
trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (Icu)         itermal           • at AC at 240 V rated value         100 KA           • at AC at 400 V rated value         100 KA           • at AC at 630 V rated value         100 KA           • at AC at 630 V rated value         100 KA           • at AC at 630 V rated value         100 KA           • at 240 V rated value         25 KA           • at 240 V rated value         25 KA           • at 630 V rated value         25 KA           • at 630 V rated value         25 KA           • at 630 V rated value         26 A           • at 630 V rated value         20 A           • at 630 V rated value         10 IrA           • at 630 V rated value         10 IrA           • at 630 V rated value         20 A           • at 630 V rated value         10 IrA           • at 630 V rated value         10 IrA           • at 630 V rated value         10 IrA           • at 630 V rated value         10 IrA <tr< td=""><td>0</td><td></td></tr<>	0	
design of the overload release     thermal       maximum short-circuit current breaking capacity (Icu)     i at AC at 240 V rated value     100 kA       i at AC at 240 V rated value     100 kA     55 kA       i at AC at 500 V rated value     10 kA       i at AC at 500 V rated value     100 kA       i at AC at 690 V rated value     100 kA       i at AC at 690 V rated value     100 kA       i at 240 V rated value     100 kA       i at 240 V rated value     25 kA       i at 600 V rated value     25 kA       i at 600 V rated value     26 A       i at 600 V rated value     20 A       i at 600 V rated value     1.5 hp       - at 200 V rated value     3 hp       i for single-phase AC motor	· · · · · · · · · · · · · · · · · · ·	CLASS 10
maximum short-circuit current breaking capacity (icu)              if AC at 240 V rated value             if AC at 240 V rated value             if AC at 400 V rated value             if AC at 500 V rated value             20 A             if AC at 500 V rated value             20 A             if AC at 500 V rated value             20 A             if AC at 500 V rated value             if AC at 500 V             if AC A AC A	•	thermal
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• at AC at 500 V rated value10 kA• at AC at 650 V rated value4 kAoperating short-circuit current breaking capacity (ics) at AC-• at 240 V rated value100 kA• at 400 V rated value25 kA• at 600 V rated value5 kA• at 600 V rated value26 0 Aresponse value current of instantaneous short-circuit trip unit260 AU/CSA ratings-full-oad current (FLA) for 3-phase AC motor-• at 600 V rated value20 A• at 600 V rated value20 A• at 600 V rated value20 A• at 600 V rated value30 Ayleided mechanical performance [hp]-• for single-phase AC motor at 100/20 V rated value3 hp• for 3-phase AC motor at 20020 V rated value3 hp• for 3-phase AC motor at 20020 V rated value3 hp• for 3-phase AC motor at 20020 V rated value10 hpShort-circuit protectionYesdesign of the fuse link for IT network for short-circuit protection of the main circuit oit for 0 Ayeig 63 A• at 600 VgL/gG 63 A• at 600 VgL/gG 63 A• at 600 VgL/gG 60 A• at 600 VgL/gG 60 A• at 600 VgL/gG 60 A• at 600 Vand• at 600 VgL/gG 60 A• at 600 Vand• at 600 Vand• at 600 VgL/gG 60 A• at 600 VgL/gG 60 A• a		
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operating short-circuit current breaking capacity (ics) at AC         100 kA           • at 240 V rated value         100 kA           • at 400 V rated value         25 kA           • at 600 V rated value         2 kA           • at 600 V rated value         2 kA           response value current of instantaneous short-circuit trip unit         260 A           UL/CSA ratings         20 A           UL/CSA ratings         20 A           i 4800 V rated value         20 A           • at 600 V rated value         20 A           • of or single-phase AC motor         -           - at 100/120 V rated value         1.5 hp           - at 200/208 V rated value         3 hp           • for 3-phase AC motor         -           - at 200/208 V rated value         7.5 hp           - at 200/208 V rated value         10 hp.           Short-circuit protection         Yes           design of the fuse link for IT network for short-circuit protection         Yes           design of the fuse link for IT network for short-circuit protection         gL/gG 63 A		
• at 240 V rated value100 kA• at 400 V rated value25 kA• at 600 V rated value5 kA• at 600 V rated value2 kAresponse value current of instantaneous short-circuit trip unit260 AUL/CSA ratings20 Afull-load current (FLA) for 3-phase AC motor20 A• at 480 V rated value20 A• at 480 V rated value20 A• at 480 V rated value20 A• at 100 / rated value20 A• at 110/120 V rated value20 A• at 230 V rated value3 hp• for single-phase AC motor1.5 hp- at 110/120 V rated value3 hp• for 3-phase AC motor at 230 / vated value5 hp- at 220/230 V rated value5 hp- at 480/480 V rated value5 hp- at 480/480 V rated value5 hp- at 480/480 V rated value10 hpShort-circuit protectionYesdesign of the fuse link for IT network for short-circuit protectionYes• at 400 VgL/gG 63 A• at 400 VgL/gG 50 A• at 600 Vg		
• at 400 V rated value25 kA• at 500 V rated value5 kA• at 690 V rated value2 kAresponse value current of instantaneous short-circuit trip unit260 AU/CSA ratings20 Afull-load current (FLA) for 3-phase AC motor20 A• at 480 V rated value20 A• at 600 V rated value20 A• at 600 V rated value20 A• at 600 V rated value3 hp• for single-phase AC motor1.5 hp- at 110/120 V rated value3 hp• for 3-phase AC motor5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionYesdesign of the fuse link for IT network for short-circuit protectionmagneticdesign of the short-circuit fripmagneticdesign of the short-circuit fripmagnetic• at 400 VgL/gG 50 A• at 400 VgL/gG 50 A• at 600 VgL/gG 50 A <td></td> <td>100 kA</td>		100 kA
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• at 690 V rated value2 kAresponse value current of instantaneous short-circuit trip unit260 AUL/CSA ratings260 Afull-load current (FLA) for 3-phase AC motor • at 480 V rated value20 A• at 600 V rated value20 Ayielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value1.5 hp- at 20020 V rated value3 hp• for 3-phase AC motor7.5 hp- at 200208 V rated value5 hp- at 202020 V rated value5 hp- at 202020 V rated value10 hpShort-circuit protectionYesgesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 63 A• at 400 VgL/gG 50 A• at 600 VgL/gG 50 AInstallation/ mounting/ dimensionsanymounting positionanyscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 607515		
response value current of instantaneous short-circuit trip unit       260 A         UL/CSA ratings       1         full-load current (FLA) for 3-phase AC motor       20 A         • at 480 V rated value       20 A         • at 600 V rated value       20 A         yielded mechanical performance [hp]       • for single-phase AC motor         - at 110/120 V rated value       1.5 hp         - at 200/208 V rated value       3 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       5 hp         - at 200/208 V rated value       5 hp         - at 200/208 V rated value       10 hp         Short-circuit protection       Yes         design of the short-circuit protection       Yes         design of the fuse ink for IT network for short-circuit protection of the main circuit       gL/gG 63 A         • at 600 V       gL/gG 50 A		
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       20 A         • at 600 V rated value       20 A         • at 600 V rated value       20 A         yielded mechanical performance [hp]       •         • for single-phase AC motor       -         - at 110/120 V rated value       3 hp         • for 3-phase AC motor       3 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       5 hp         - at 200/208 V rated value       5 hp         - at 200/208 V rated value       10 hp         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       gL/gG 63 A         • at 690 V       gL/gG 50 A		
full-load current (FLA) for 3-phase AC motor       20 A         • at 480 V rated value       20 A         • at 600 V rated value       20 A         yielded mechanical performance [hp]       •         • for single-phase AC motor       -         - at 110/120 V rated value       1.5 hp         - at 230 V rated value       3 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       7.5 hp         - at 200/208 V rated value       5 hp         - at 200/208 V rated value       5 hp         - at 460/480 V rated value       10 hp         Short-circuit protection       Yes         gesign of the short-circuit trip       magnetic         design of the fuse link for IT network for short-circuit protection of the main circuit       gL/gG 63 A         • at 400 V       gL/gG 60 A         • at 500 V       gL/gG 50 A         • at 609 V       gL/gG 50 A         • at 600 V       gL/gG 50 A         Installation/ mounting/ dimensions       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		2007
• at 480 V rated value20 A• at 600 V rated value20 Ayielded mechanical performance [hp]0• for single-phase AC motor1.5 hp- at 110/120 V rated value1.5 hp- at 230 V rated value3 hp• for 3-phase AC motor7.5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionproduct function short circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagnetice at 400 VgL/gG 63 A• at 500 VgL/gG 50 A• at 600 VgL/gG 50 AInstallation/ mounting/ dimensionsanymounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
• at 600 V rated value20 Ayielded mechanical performance [hp]·• for single-phase AC motor at 110/120 V rated value1.5 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value7.5 hp- at 200/208 V rated value5 hp- at 220/230 V rated value10 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 63 A• at 400 VgL/gG 50 A• at 690 VgL/gG 50 AInstallation/ mounting/ dimensionsanymounting positionany		20 A
yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>hp</li> <li>at 230 V rated value</li> <li>hp</li> </ul> - at 230 V rated value         3 hp           • for 3-phase AC motor           - at 200/208 V rated value         7.5 hp           - at 220/230 V rated value         5 hp           - at 220/230 V rated value         10 hp           Short-circuit protection         Yes           design of the short-circuit protection         Yes           design of the fuse link for IT network for short-circuit protection of the main circuit         gL/gG 63 A           • at 400 V         gL/gG 50 A           • at 500 V         gL/gG 50 A           • at 690 V         gL/gG 50 A           Installation/ mounting/ dimensions         any           mounting position         any		
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>bp</li> </ul> <ul> <li>bp ort-circuit protection</li> <li>Yes</li> <li>design of the short-circuit trip</li> <li>magnetic</li> <li>design of the fuse link for IT network for short-circuit</li> <li>protection of the main circuit</li> <li>at 400 V</li> <li>gL/gG 63 A</li> <li>at 500 V</li> <li>gL/gG 50 A</li> <li>at 690 V</li> <li>gL/gG 50 A</li> <li>bratellation/ mounting/ dimensions</li> <li>mounting position</li> <li>any</li> <li>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715</li> </ul> </li> </ul>		20 A
- at 110/120 V rated value1.5 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value7.5 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitgL/gG 63 A• at 400 VgL/gG 50 A• at 690 VgL/gG 50 A• at 690 VgL/gG 50 A• at 690 Vscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
at 230 V rated value3 hp• for 3-phase AC motor7.5 hp at 200/208 V rated value7.5 hp at 220/230 V rated value5 hp at 460/480 V rated value10 hpShort-circuit protectionYesdesign of the short-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitgL/gG 63 Aat 400 Ve at 400 VgL/gG 63 Ae at 600 VgL/gG 50 Ai at 690 VgL/gG 50 AInstallation/ mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		1.5 hp
• for 3-phase AC motor·- at 200/208 V rated value7.5 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionProduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 63 A• at 400 VgL/gG 50 A• at 690 VgL/gG 50 AInstallation/ mounting/ dimensionsanymounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
- at 200/208 V rated value7.5 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 63 A• at 400 VgL/gG 50 A• at 690 VgL/gG 50 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		5 lip
at 220/230 V rated value5 hp at 460/480 V rated value10 hpShort-circuit protectionYesproduct function short circuit protectionMagneticdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 63 A• at 400 VgL/gG 50 A• at 500 VgL/gG 50 A• at 690 VgL/gG 50 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		7.5 hz
— at 460/480 V rated value10 hpShort-circuit protectionYesproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 63 A• at 400 VgL/gG 50 A• at 500 VgL/gG 50 A• at 690 VgL/gG 50 AInstallation/ mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
Short-circuit protection       Yes         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       gL/gG 63 A         • at 400 V       gL/gG 50 A         • at 500 V       gL/gG 50 A         • at 690 V       gL/gG 50 A         Installation/ mounting/ dimensions       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
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       gL/gG 63 A         • at 400 V       gL/gG 50 A         • at 690 V       gL/gG 50 A         Installation/ mounting/ dimensions       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		юпр
design of the short-circuit trip       magnetic         design of the fuse link for IT network for short-circuit          protection of the main circuit       gL/gG 63 A         • at 400 V       gL/gG 50 A         • at 690 V       gL/gG 50 A         Installation/ mounting/ dimensions       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
design of the fuse link for IT network for short-circuit protection of the main circuit       gL/gG 63 A         • at 400 V       gL/gG 63 A         • at 500 V       gL/gG 50 A         • at 690 V       gL/gG 50 A         Installation/ mounting/ dimensions       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
protection of the main circuit       • at 400 V       • at 500 V       • at 500 V       • at 690 V       • at 690 V       Installation/ mounting/ dimensions       mounting position       any       fastening method		magnetic
• at 500 V     gL/gG 50 A       • at 690 V     gL/gG 50 A       Installation/ mounting/ dimensions     gL/gG 50 A       mounting position     any       fastening method     screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	protection of the main circuit	
• at 690 V     gL/gG 50 A       Installation/ mounting/ dimensions     any       fastening method     acrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
Installation/ mounting/ dimensions     any       fastening method     screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
mounting position         any           fastening method         screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	• at 690 V	gL/gG 50 A
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	Installation/ mounting/ dimensions	
	mounting position	any
height 97 mm	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
	height	97 mm

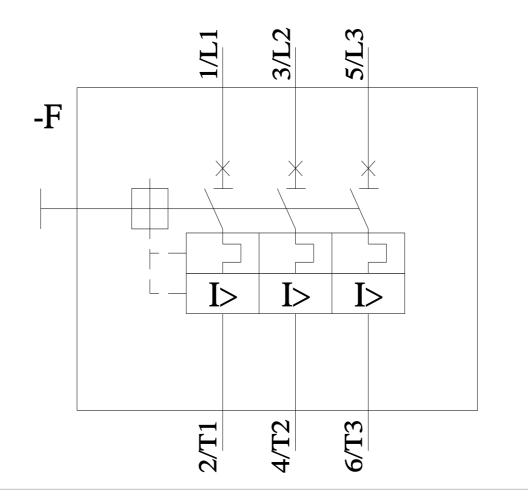
width	45 mm
depth	97 mm
required spacing	97 mm
with side-by-side mounting at the side	0 mm
	0 mm
<ul> <li>for grounded parts at 400 V</li> <li>— downwards</li> </ul>	30 mm
	30 mm
— upwards	9 mm
— at the side	9 mm
• for live parts at 400 V	20
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for grounded parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	30 mm
— 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>	
— solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
<ul> <li>for AWG cables for main contacts</li> </ul>	2x (16 12), 2x (14 8)
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 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	
for main contacts	M4
Safety related data	
B10 value	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	5 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	50 %
failure rate [FIT]	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 FIT
T1 value for proof test interval or service life according to IEC 61508	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	Handle

ertificates/ approva	als				
General Product A	pproval				For use in hazard- ous locations
	<u>Confirmation</u>		KC	EHC	K ATEX
For use in hazard- ous locations	Declaration of Conf	ormity	Test Certificates		Marine / Shipping
IECEX	UK CA	CE EG-Konf.	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS
Marine / Shipping					other
B UREAU VERITAS		Lloyd's Register urs	PRS	RINA	<u>Confirmation</u>
other	Railway				
	<u>Confirmation</u>	<u>Vibration and Shock</u>			
urther information					
Siemens has decid	led to exit the Russian ma	arket (see here). ase/siemens-wind-down-rus	sian husiness		
Siemens is working Please contact your EAC relevant market nformation on the https://support.indus nformation- and D https://www.siemens ndustry Mall (Onlini ttps://mall.industry. Cax online generat http://support.autom Service&Support (indus mage database (po	g on the renewal of the cu local Siemens office on the tot (other than the sanctioned packaging stry.siemens.com/cs/ww/en. ownloadcenter (Catalogs s.com/ic10 ne ordering system) siemens.com/mall/en/en/Ci tor ation.siemens.com/WW/C/ Manuals, Certificates, Ch stry.siemens.com/cs/ww/en. roduct images, 2D dimension	Irrent EAC certificates. e status of validity of the EA d EAEU member states Rus /view/109813875 , Brochures,) atalog/product?mlfb=3RV20 AXorder/default.aspx?lang= aracteristics, FAQs,)	C certification if you inten ssia or Belarus). 021-4BA10 en&mlfb=3RV2021-4BA1 s, device circuit diagram	<u>0</u>	ply these products to ar
Characteristic: Trip	oping characteristics, I <sup>2</sup> t, stry.siemens.com/cs/ww/en	Let-through current /ps/3RV2021-4BA10/char			
-urther characteris	stics (e.g. electrical endur				









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