SIEMENS

Data sheet

3RA2120-4BD27-0AP0



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S0 13...20 A 230 V AC screw terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO+1 NC (contactor)

product brand name SIRIUS product designation Direct (on-line) statter design of the product for 60 mm busbars product type designation 3RA21 manufacturer's article number - • of the suppled circuit-breakers SRY2027-1AP00 • of the suppled circuit-breakers SRY2021-1BA200 • of the suppled link module SRA221-11AA00 Central technical data State of the circuit-breaker size of the circuit-breaker S0 size		
design of the product for 60 mm busbars product type designation 3RA21 manufacture's article number 3RT2027-1AP00 • of the suppled contactor 3RY2021-1BA10 • of the suppled busher adapter 3RY2021-1BA10 • of the suppled busher adapter 3RY2021-1BA10 • of the suppled busher adapter SUS 125-15N110 • at AC in hot operating state per pole 5.8 W • without load current share typical 9.8 W insulation voltage with degree of pollution 3 at AC rated value 60V surge voltage resistance rated value 60V surge voltage resistance rated value 10 000 000 type of assignment 2 reference code according to IEC 61346-2201 00 0000 Substance Prohibitance (Dato) 100/1/2009 SVHC substance name Lead - 7439-92-1	product brand name	SIRIUS
product type designation 3RA21 manufacturer's article number 3RT2027-1AP00 • of the supplied circuit-breakers 3RT2027-1AP00 • of the supplied incuit-breakers 3RT2027-1AP00 • of the supplied incuit-breakers 3RT2027-1AP00 • of the supplied ink module 3RT2027-1AP00 • of the supplied ink module 3RT2027-1AP00 General technical data 3RT2027-1AP00 size of the circuit-breaker S0	product designation	Direct (on-line) starter
manufacturer's article number BRT2027-1AP00 • of the suppled contactor BRT2027-1AP00 • of the suppled contactoresets S0 size of the circuit-breaker S0 size of the circuit-breaker S0 • eta Ch Int operating state per pole 5.8 W • without load current share typical 9.8 W insulation voltage resistance rated value 600 V surge voltage resistance rated value 61V degree of protection NEMA rating other shock resistance according to IEC 60068-227 6g /11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 60068-227 6g /11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 Substance Prohibitance (Date) 10/01/2009 SUbstance Prohibitance (Date) 10/01/2009 Substance aname Lead - 7439-92-1 <	design of the product	for 60 mm busbars
of the supplied contactor SRT2027-1AP00 of the supplied circuit-breakers SRV2021-BA10 of the supplied busbar adapter Bust2021-BA10 of the supplied busbar adapter BBA2221-BA00 So Size of the circuit-breaker So size of the circuit-breaker So power loss [W] for rated value of the current • et AC in hot operating state per pole S.8 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 600 V surge voltage resistance rated value 600 V substance Prohibitance (Date) 10 000 000 Vype of assignment reference code according to IEC 60682-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 Vype of assignment reference code according to IEC 81346-2:2019 Q SvHC substance Prohibitance (Date) 10/01/2009 SvHC substance Prohibitance (Date) 10/01/2009 SvHC substance Prohibitance (Date) toring storage -50 +60 °C -60 °C -60 °C -60 °C	product type designation	3RA21
of the supplied circuit-breakers of the supplied busbar adapter of the supplied busbar adapter of the supplied link module SR25921-1AA00 Ceneral technical data size of the circuit-breaker S0 size of load feeder S0 power loas (W) for rated value of the current ott AC in hot operating state per pole S.8 W outhout load current share typical surge vortage resistance rated value B00 V surge vortage resistance rated value B00 V surge vortage resistance rated value B00 V surge vortage resistance rated value B1VV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 Gg / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment Z reference code according to IEC 60068-2-27 Gg / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment Z reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) Substance Prohibitance(Date) Substance Prohibitance (Date) Substance Prohibita	manufacturer's article number	
• of the supplied busbar adapter BUS1251-5NT10 • of the supplied link module 38A2921-1AA00 General technical data 50 size of the circuit-breaker 50 size of load feeder S0 • et AC in hot operating state per pole 5.8 W • without load current share typical 9.8 W • without load current share typical 9.8 W insulation voltage with degree of pollution 3 at AC rated value 66 V/ degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 Substance Prohibitance (Date) 10/01/2009 Suffs ubtance Intervice 6a0 - 7439-92-1 Weight 1.276 kg Ambient tomperature -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C	 of the supplied contactor 	<u>3RT2027-1AP00</u>
of the supplied link module SBA2921-1AA00 General technical data size of the circuit-breaker so size of toad feeder So power loss [W] for rated value of the current • at AC in hot operating state per pole 5.8 W • without load current share typical 9.8 W insulation voltage with degree of pollution 3 at AC rated value 6 kV degree of protection NEIMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) SUHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during operation -50 +60 °C • during storage -50 +60 °C reference code according to IEC 81346-2:2019 C e during operation -50 +60 °C e during storage -50 +60 °C retartive numbility during operation -50 +60	 of the supplied circuit-breakers 	<u>3RV2021-4BA10</u>
General technical data size of the circuit-breaker S0 size of load feeder S0 power loss [W] for rated value of the current • at AC in hot operating state per pole 5.8 W • without load current share typical 9.8 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 64 kV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 100/1/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during storage -50 +60 °C • during storage -50 +60 °C • during transport -50	 of the supplied busbar adapter 	8US1251-5NT10
size of the circuit-breaker \$0 size of load feeder \$0 power loss [W] for rated value of the current	 of the supplied link module 	<u>3RA2921-1AA00</u>
size of load feeder S0 power loss [W] for rated value of the current . • at AC in hot operating state per pole 5.8 W • without load current share typical 9.8 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during torage -50 +80 °C • during torage -50 +60 °C relative humidity during operation -20 +60 °C relative humidity during operation 10 95 % Environmental Froduct Declaration(EPD) Yes global warming potential [CO2 e	General technical data	
power loss [W] for rated value of the current 5.8 W • without load current share typical 9.8 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient temperature - • during operation -20 +60 °C • during transport -50 +80 °C environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] total 92.1 kg global warming pote	size of the circuit-breaker	SO
• at AC in hot operating state per pole 5.8 W • without load current share typical 9.8 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 64 V degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during operation -20 +60 °C • during transport -50 +80 °C • during transport -50 +60 °C relative humidity during operation 10 95 % Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during	size of load feeder	SO
• without load current share typical 9.8 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient temperature - • during operation -20 +60 °C • during strasport -50 +80 °C • during transport -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during operation 87.6 kg	power loss [W] for rated value of the current	
insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g /11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions - ambient temperature - • during operation -20 +60 °C • during transport -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Environmental footprint Environmental footprint Environmental footprint 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during operation 87.6 kg g	 at AC in hot operating state per pole 	5.8 W
surge voltage resistance rated value 6 kV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during operation -20 +60 °C • during tarsport -50 +80 °C • during transport -50 +80 °C • during transport -50 +60 °C relative humidity during operation -20 +60 °C global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 527 kg global warming potential [CO2 eq] during operation 87.6 kg Main circuit 47.8 kg	 without load current share typical 	9.8 W
degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during operation -20 +60 °C • during transport -50 +80 °C Environmental footprint Environmental footprint Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] a	insulation voltage with degree of pollution 3 at AC rated value	690 V
shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation -10 95 % Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg	surge voltage resistance rated value	6 kV
mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] after end of life -0.84 kg	degree of protection NEMA rating	other
type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation -20 +60 °C temperature compensation -20 +60 °C global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit Main circuit	shock resistance according to IEC 60068-2-27	6g / 11 ms
reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C • during transport -20 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Environmental Footprint Environmental Footprint Environmental [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit	mechanical service life (operating cycles) of contactor typical	10 000 000
Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions	type of assignment	2
SVHC substance name Lead - 7439-92-1 Weight 1.276 kg Ambient conditions	reference code according to IEC 81346-2:2019	Q
Weight 1.276 kg Ambient conditions ambient temperature • during operation • during storage • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Environmental footprint Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit	Substance Prohibitance (Date)	10/01/2009
Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Environmental footprint Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit	SVHC substance name	Lead - 7439-92-1
ambient temperature -20 +60 °C • during operation -50 +80 °C • during transport -50 +80 °C • during transport -50 +80 °C • during transport -20 +60 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Environmental footprint Environmental footprint global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit Environue ential [CO2 eq] after end of life	Weight	1.276 kg
• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °C• during transport-50 +60 °Ctemperature compensation-20 +60 °Crelative humidity during operation10 95 %Environmental footprintEnvironmental Product Declaration(EPD)Yesglobal warming potential [CO2 eq] during manufacturing5.27 kgglobal warming potential [CO2 eq] during operation87.6 kgglobal warming potential [CO2 eq] after end of life-0.84 kgMain circuit	Ambient conditions	
• during storage -50 +80 °C • during transport -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Environmental footprint	ambient temperature	
• during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Environmental footprint	 during operation 	-20 +60 °C
temperature compensation -20 +60 °C relative humidity during operation 10 95 % Environmental footprint Environmental footprint global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg	during storage	-50 +80 °C
relative humidity during operation 10 95 % Environmental footprint Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg	during transport	-50 +80 °C
Environmental footprint Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit -0.84 kg	temperature compensation	-20 +60 °C
Environmental Product Declaration(EPD) Yes global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit -0.84 kg	relative humidity during operation	10 95 %
global warming potential [CO2 eq] total 92.1 kg global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit -0.84 kg	Environmental footprint	
global warming potential [CO2 eq] during manufacturing 5.27 kg global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit -0.84 kg	Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] during operation 87.6 kg global warming potential [CO2 eq] after end of life -0.84 kg Main circuit -0.84 kg	global warming potential [CO2 eq] total	92.1 kg
global warming potential [CO2 eq] after end of life -0.84 kg Main circuit	global warming potential [CO2 eq] during manufacturing	5.27 kg
Main circuit	global warming potential [CO2 eq] during operation	87.6 kg
	global warming potential [CO2 eq] after end of life	-0.84 kg
number of poles for main current circuit 3	Main circuit	
	number of poles for main current circuit	3

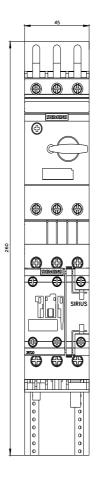
design of the switching contact	electromechanical
design of the switching contact	
adjustable current response value current of the current- dependent overload release	13 20 A
operating voltage	
rated value	690 V
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current	
at AC-3 at 400 V rated value	20 A
at AC-3e at 400 V rated value	20 A
operating power	
• at AC-3	
— at 400 V rated value	7 500 W
• at AC-3e	
— at 400 V rated value	7 500 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	230 V
apparent holding power of magnet coil at AC	9.8 VA
• at 50 Hz	9.8 VA
inductive power factor with the holding power of the coil	0.25
at 50 Hz	0.25
Auxiliary circuit	0.23
	Vee
product extension auxiliary switch	Yes
Protective and monitoring functions	01 400 40
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	260 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	20.4
	20 A
	20 A
• at 600 V rated value	20 A
at 600 V rated value yielded mechanical performance [hp]	20 A
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor	
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value	1.5 hp
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value — at 230 V rated value	
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value o for 3-phase AC motor	1.5 hp 3 hp
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value — at 230 V rated value for 3-phase AC motor — at 200/208 V rated value	1.5 hp 3 hp 7.5 hp
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value — at 230 V rated value for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value	1.5 hp 3 hp 7.5 hp 7.5 hp
 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value 	1.5 hp 3 hp 7.5 hp
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value o for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value o for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value — at 230 V rated value for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value — at 230 V rated value for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit current (lq)	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value ofor 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) o at 400 V according to IEC 60947-4-1 rated value	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/208 V rated value — at 220/208 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/208 V rated value — at 460/480 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq)	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A vertical for snapping onto 60 mm busbar systems
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/208 V rated value — at 220/208 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit trip conditional short-circuit go to EC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/208 V rated value — at 220/208 V rated value — at 460/480 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Ves magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/200 V rated value — at 460/480 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/208 V rated value — at 220/208 V rated value — at 460/480 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Ves magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 200/208 V rated value — at 220/208 V rated value — at 220/200 V rated value — at 460/480 V rated value — at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit trip conditional short-circuit current (lq) o at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing o for grounded parts	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A Vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm
 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts for grounded parts for wards 	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm
 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value Short-circuit protection design of the short-circuit protection design of the short-circuit trip conditional short-circuit current (lq) at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts for wards backwards 	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm 20 mm 0 mm
 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) 	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A Vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm 20 mm 0 mm 50 mm
 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth for grounded parts for grounded parts forwards backwards upwards at the side 	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A Vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm 20 mm 0 mm 50 mm 20 mm 20 mm
 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) 	1.5 hp 3 hp 7.5 hp 7.5 hp 15 hp Yes magnetic 150 000 A Vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm 20 mm 0 mm 50 mm

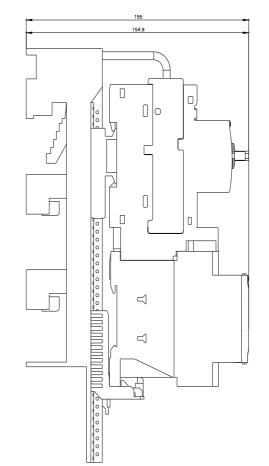
 forwards backwards upwards downwards at the side 	0 n 50 10	mm nm mm mm		
Connections/ Terminals				
type of electrical connection				
• for main current circuit		rew-type terminals		
 for auxiliary and control circuit 	SCI	rew-type terminals		
Safety related data				
product function suitable for safety function	Ye	S		
Electrical Safety				
touch protection on the front according to IEC	60529 fing	ger-safe, for vertical contac	t from the front	
Communication/ Protocol				
protocol is supported				
PROFINET IO protocol	No			
PROFIsafe protocol	No			
protocol is supported AS-Interface protocol	No	1		
Approvals Certificates				
General Product Approval				For use in hazard- ous locations
CE UK EG-Konf.	<u>Confirmation</u>	(U) II	EHC	Ex ATEX
Test Certificates	Marine / Shipping			
Special Test Certific- ate Type Test Certific- ates/Test Report	ABS	BUREAU VERITAS		Lloyd's Register uts
Marine / Shipping		other	Railway	Environment
PRS RINA	RMRS	<u>Confirmation</u>	Special Test Certific- ate	EPD
Environment				
Environmental Con- firmations				
Further information Information on the packaging https://support.industry.siemens.com/cs/ww/en/vi Information- and Downloadcenter (Catalogs, E https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/Cata Cax online generator	Brochures,)	<u>\$2120-4BD27-0AP0</u>		

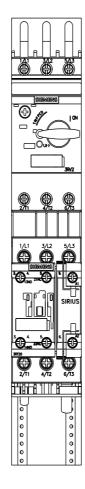
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4BD27-0AP0/char

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





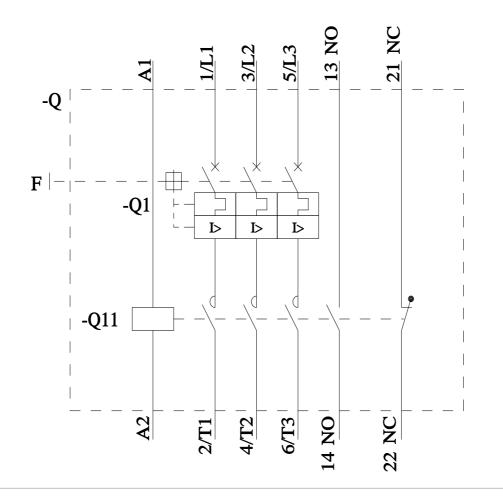




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