SIEMENS

Data sheet

3RA2120-1GE24-0BB4



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S0 4.50...6.30 A 24 V DC Spring-type terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO+1 NC (contactor)

product designation design of the product for Din-rail or screw mounting product type designation spread type designation spread type designation spread type designation of the supplied contactor of the supplied contactor of the supplied clinicil breakers of the supplied dink module spread technical data size of the circuit-breaker size	product brand name	SIRIUS
product type designation manufacturer's article number of the supplied contactor of the supplied circuit-breakers of the supplied link module 3RA2921-2AA00 General tochnical data size of the circuit-breaker size of the supplied circuit-orditions size of the suppli	product designation	Direct (on-line) starter
product type designation manufacturer's article number of the supplied contactor of the supplied circuit-breakers of the supplied link module 3RA2921-2AA00 General tochnical data size of the circuit-breaker size of the supplied circuit-orditions size of the suppli	design of the product	for DIN-rail or screw mounting
of the supplied circuit-breakers of the supplied link module SRY2021-1CA20 of the supplied link module SRY2021-2AA00 General technical data size of the circuit-breaker size of the circuit-breaker size of load feeder sover load feeder out at AC in hot operating state per pole o		3RA21
of the supplied circuit-breakers of the supplied link module 3RA2921-2AA00 Ceneral technical data size of the circuit-breaker size of load feeder S0 power loss [W] for rated value of the current ot A Cin hot operating state per pole without load current share typical surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 shock resistance according to IEC 60068-2-27 shock resistance source in the current (reference code according to IEC 81346-2:2019 SUBStance Prohibitance (Date) SVHC substance name Lead -7439-92-1 Weight Ambient conditions ambient temperature of during storage during operation during storage during torage during operation 20 +60 °C during transport temperature compensation 20 +60 °C during transport temperature compensation 20 +60 °C during transport temperature compensation 20 +60 °C during transport source compensation 30 +60 °C during transport source compensation 30 +60 °C during transport source compensation 30 +60 °C during transport source compensation 40 +60 °C during transport source compen	manufacturer's article number	
of the supplied link module General technical data size of the circuit-breaker size of toad feeder at AC in hot operating state per pole without load current share typical surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 80068-2-27 governable service life (operating cycles) of contactor typical type of assignment governable service life (operating cycles) of contactor typical substance Prohibitance (Date) Substance Prohibitance (Date) Substance name Lead - 7439-92-1 Weight Ambient conditions ambient temperature during storage during transport defining storage during transport conditions ambient temperature during transport conditions are lative humidity during operation design of the switching contact degin of the switching contact dependent overload release operating voltage rated value at AC-3 rated value maximum e of the Conditions are size of the current response value current of the current- dependent overload release operating voltage rated value e at AC-3 rated value maximum en of pole of main current circuit design of the switching contact dependent overload release operating voltage e rated value e at AC-3 rated value maximum en of pole of main current of the current-	of the supplied contactor	3RT2024-2BB40
size of the circuit-breaker size of load feeder power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 66 / 11 ms mechanical service life (operating cycles) of contact typical type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) SWHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation • during storage • during storage • during storage • during operation 20+60 °C - during interprating operation 1095 % Main circuit number of poles for main current circuit design of the switching contact dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V	of the supplied circuit-breakers	3RV2021-1GA20
size of the circuit-breaker size of load feeder size of load feeder sologous (S) sologous (S) sologous (S) power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical surge voltage resistance rated value 690 V surge voltage resistance rated value 660 V degree of protection NEMA rating shock resistance according to IEC 60068-2-27 66 / 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) 03/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation • during storage • during storage • during transport 1-50+80 °C 4- during transport 1-50+80 °C relative humidity during operation 1-20+60 °C relative humidity during operation 1-20+60 °C relative humidity during operation 1-20+60 °C relative humidity during operation 4-5+80 °C	of the supplied link module	3RA2921-2AA00
size of load feeder S0 power loss [W] for rated value of the current • at AC in hot operating state per pole 2.7 W • without load current share typical 5.9 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) 03/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value 690 V	General technical data	
power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 33/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation • during storage • during storage • during transport 1-50+80 °C relative humidity during operation 1095 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V	size of the circuit-breaker	S0
• at AC in hot operating state per pole • without load current share typical • without load current share typical insulation voltage with degree of pollution 3 at AC rated value 680 V degree of protection NEMA rating other shock resistance according to IEC 60068-2-77 6g / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight Ambient conditions ambient temperature • during operation • during storage • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release • rated value • at AC-3 rated value maximum 690 V	size of load feeder	S0
without load current share typical 5.9 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) 03/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 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 temperature compensation -20 +60 °C temperature compensation -20 +60 °C temperature response value current circuit 3 design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage • rated value 690 V • at AC-3 rated value maximum 690 V	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 degree of protection NEMA rating 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) 30/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature during operation during storage during storage during transport -50 +80 °C -50 +80 °C -50 +60 °C temperature compensation -20 +60 °C relative humidity during operation -20 +60 °C relative humidity during operation -20 +	 at AC in hot operating state per pole 	2.7 W
surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 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) 33/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation • during storage • during transport -50 +80 °C eluring transport -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V	 without load current share typical 	5.9 W
degree of protection NEMA rating 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) 3//01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation • during storage • during transport temperature compensation 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 odo 0000 0000 0000 0000 0000 0000 0000	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) 03/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 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 % Main circuit number of poles for main current circuit 3 design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V	surge voltage resistance rated value	6 kV
mechanical service life (operating cycles) of contactor typical type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 30/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature	degree of protection NEMA rating	other
type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 03/01/2017 SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature	shock resistance according to IEC 60068-2-27	6g / 11 ms
reference code according to IEC 81346-2:2019 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation • during storage • during transport • during transport temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V	mechanical service life (operating cycles) of contactor typical	10 000 000
Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation • during storage • during transport temperature compensation 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 03/01/2017 03/01/2017 1.22 kg Ambient conditions -20 +60 °C -50 +80	type of assignment	2
SVHC substance name Lead - 7439-92-1 Weight 1.22 kg Ambient conditions ambient temperature • during operation • during storage • during transport • during transport • 50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum Lead - 7439-92-1 1.22 kg - 20 +60 °C - 20 +60 °C - 20 +60 °C - 20 +60 °C - 3 +60 °C - 4.5 +60 °C - 4.5 +60 °C - 50 +80 °C - 50 +60 °C - 50 +60 °C - 60	reference code according to IEC 81346-2:2019	Q
Weight Ambient conditions ambient temperature • during operation • during storage • during transport • during transport temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 1-20 +60 °C -20 +60 °	Substance Prohibitance (Date)	03/01/2017
Ambient conditions ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum -20 +60 °C -50 +80 °C -20 +60 °C -50 +80 °C -5	SVHC substance name	Lead - 7439-92-1
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 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum -20 +60 °C -50 +80 °C -50 +80 °C -50 +60 °C -60 °	Weight	1.22 kg
 during operation during storage during transport 50 +80 °C temperature compensation 20 +60 °C temperature compensation 20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value maximum contact de90 V 	Ambient conditions	
 during storage during transport 50 +80 °C temperature compensation 20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value maximum 690 V 	ambient temperature	
■ during transport	 during operation 	-20 +60 °C
temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 3 design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum -20 +60 °C 10 95 % electromechanical 4.5 6.3 A 690 V	during storage	-50 +80 °C
relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 3 design of the switching contact electromechanical adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum 10 95 % 4.5 6.3 A 6.90 V	during transport	-50 +80 °C
Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V	temperature compensation	-20 +60 °C
number of poles for main current circuit design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum electromechanical 4.5 6.3 A 690 V	relative humidity during operation	10 95 %
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum electromechanical 4.5 6.3 A 690 V	Main circuit	
adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum 4.5 6.3 A 690 V	number of poles for main current circuit	3
dependent overload release operating voltage • rated value 690 V • at AC-3 rated value maximum 690 V	design of the switching contact	electromechanical
 rated value at AC-3 rated value maximum 690 V 690 V 		4.5 6.3 A
at AC-3 rated value maximum 690 V	operating voltage	
	• rated value	690 V
• at AC-3e rated value maximum 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 	6.3 A
at AC-3e at 400 V rated value	6.3 A
operating power	
• at AC-3	
— at 400 V rated value	2 200 W
• at AC-3e	
— at 400 V rated value	2 200 W
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	24 V
holding power of magnet coil at DC	5.9 W
Auxiliary circuit	
product extension auxiliary switch	Yes
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	82 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	6.3 A
at 400 V rated value at 600 V rated value	6.3 A
yielded mechanical performance [hp]	0.071
• for single-phase AC motor	
	0.25 hp
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
• for 3-phase AC motor	
— at 200/208 V rated value	2 hp
— at 220/230 V rated value	2 hp
— at 460/480 V rated value	5 hp
— at 575/600 V rated value	5 hp
	·p
Short-circuit protection	
	Yes
Short-circuit protection	
Short-circuit protection product function short circuit protection	Yes
Short-circuit protection product function short circuit protection design of the short-circuit trip	Yes
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq)	Yes magnetic
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value	Yes magnetic
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions	Yes magnetic 150 000 A
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position	Yes magnetic 150 000 A vertical
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 20 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 20 mm 10 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 20 mm 10 mm 10 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — backwards	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 10 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — backwards — upwards — backwards — upwards — hackwards — upwards — backwards — upwards	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 0 mm 50 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — to parts — forwards — backwards — upwards — downwards — backwards — upwards — backwards — upwards — downwards	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 20 mm 10 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — downwards — backwards — backwards — downwards — backwards — backwards — backwards — backwards — at the side — downwards — at the side	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 0 mm 50 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — downwards — to downwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side Connections/ Terminals	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 20 mm 10 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side Connections/ Terminals type of electrical connection	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 50 mm 10 mm 50 mm 20 mm
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — a the side — downwards — to rewards — backwards — upwards — backwards — upwards — to rewards — at the side Connections/ Terminals type of electrical connection • for main current circuit	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 50 mm 10 mm spring-loaded terminals
Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • 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 — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side Connections/ Terminals type of electrical connection	Yes magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 243 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 50 mm 10 mm 50 mm 20 mm

Safety related data	
product function suitable for safety function	Yes
Electrical Safety	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
protocol is supported	
 PROFINET IO protocol 	No
PROFIsafe protocol	No
protocol is supported AS-Interface protocol	No
Approvals Certificates	

General Product Approval

For use in hazardous locations





Confirmation







Test Certificates

Marine / Shipping

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report









Marine / Shipping

other

Railway

Dangerous goods







Confirmation

Special Test Certific-

Transport Information

Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2120-1GE24-0BB4

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2120-1GE24-0BB4}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-1GE24-0B

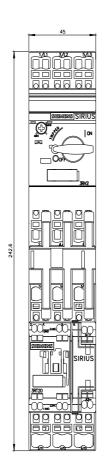
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

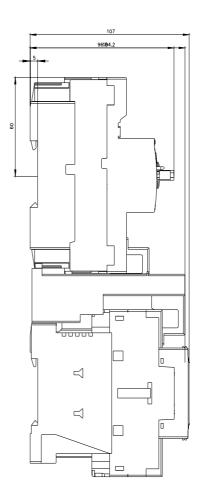
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2120-1GE24-0BB4&lang=en

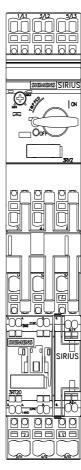
Characteristic: Tripping characteristics, I²t, Let-through current

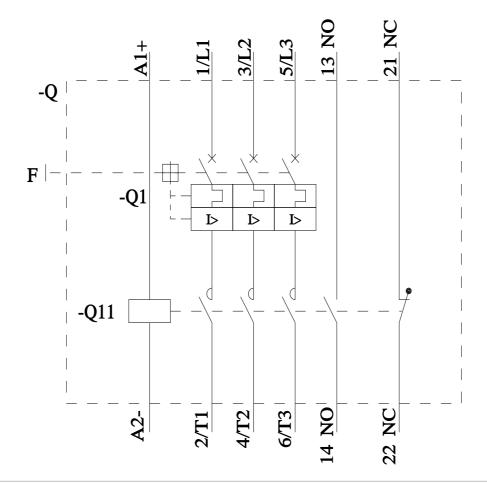
https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-1GE24-0BB4/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-1GE24-0BB4&objecttype=14&gridview=view1









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