Data sheet

3RA2120-4BA27-0FB4



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S0 13...20 A 24 V DC screw 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) with diode combination plugged in at the front

product designation Direct (on-line) starter design of the product product type designation 3RA21 manufacturer's article number of the supplied contactor 3RT2027-1FB40 of the supplied circuit-breakers 3RV2021-4BA10 of the supplied link module 3RA2921-1BA00 Goneral 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 5.9 W insulation voltage with degree of pollution 3 at AC 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 contact rypical 10 000 000 type of sasignment 2 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 81346-2:2019 Q Ambient conditions ambient temperature during storage 5.5 +80 °C during transport 5.0 +80 °C elative humidity during operation 10 95 %	product brand name	SIRIUS
design of the product product type designation 3RA21 manufacturer's article number • of the supplied contactor • of the supplied contactor • of the supplied circuit-breakers • of the supplied link module 3RX2021-1BA00 Coneral technical data size of the circuit-breaker size of load feeder so power loss [W] for rated value of the current • at AC in hot operating state per pole • without lead current share typical • without lead current share typical insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 6 kV degree of protection NEMA rating shock resistance according to IEC 80068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical shock resistance according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU certificate of suitabili	product designation	Direct (on-line) starter
product type designation manufacturer's article number of the supplied circuit-breakers of the supplied circuit-breakers of the supplied link module 3RX2921-1BA00 General technical data size of the circuit-breaker size of total feeder so power loss [W] for rated value of the current of the suit to the supplied link module of the suit to the suit to the supplied link module of the suit to the suit t		
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of the supplied circuit-breakers of the supplied link module Coneral technical data Size of the circuit-breaker Size of load feeder Size of loa		
of the supplied circuit-breakers of the supplied link module General technical data size of the circuit-breaker size of load feeder power loss [W] for rated value of the current ot At Cin hot operating state per pole owithout 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 mechanical service life (operating cycles) of contactor typical type of assignment type of suitability according to ATEX directive 2014/34/EU reference code according to IEC 81346-2:2019 Ambient conditions ambient temperature oduring storage oduring transport oduring transport elduring transport temperature compensation -20+60 °C -20+60	of the supplied contactor	3RT2027-1FB40
of the supplied link module Sonaria technical data size of the circuit-breaker size of toad feeder power loss [W] for rated value of the current	of the supplied circuit-breakers	
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 • without load current share typical S9 insulation voltage with degree of pollution 3 at AC rated value Surge voltage resistance rated value S4 degree of protection NEMA rating Shock resistance according to IEC 60068-2-27 S6g / 11 ms mechanical service life (operating cycles) of contactor typical System S4 type of assignment S2 type of protection according to AEX directive 2014/34/EU SYSTEM S4 methylate S4 methylate S4 methylate S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitability according to ATEX directive 2014/34/EU SYSTEM S4 milecticate of suitabilit		
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 690 V 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 type of protection according to ATEX directive 2014/34/EU preference code according to IEC 81346-2:2019 Ambient conditions ambient temperature during operation 4 during storage during transport 4 during transport 5 0 +80 °C 4 during transport 5 0 +80 °C 4 during operation 6 0 +80 °C 7 0 +80 °C 7 0 +80 °C 8		
e 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 • deg / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 type of assignment 2 type of protection according to ATEX directive 2014/34/EU • during to a suitability according to ATEX directive 2014/34/EU • during operation • during operation • during storage • during transport • during transport • during transport • during transport • 20 +60 °C • also °C	size of the circuit-breaker	S0
at AC in hot operating state per pole without load current share typical insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 690 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 type of assignment type of protection according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU reference code according to IEC 81346-2:2019 Ambient conditions ambient temperature • during operation • during storage • during transport -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 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V	size of load feeder	S0
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 other shock resistance according to IEC 60068-2-27 feep of protection according to IEC 60068-2-27 feep of assignment type of assignment type of assignment 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 81346-2:2019 Ambient conditions ambient temperature of during operation of during storage of during transport -50+80 °C -50+80 °C -50+80 °C relative humidity during operation -20+60 °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 operating voltage at AC-3 rated value at AC-3 rated value maximum of 900 V at AC-3 erated value maximum of sport voltage at AC-3 rated value maximum	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 type of assignment 2 type of protection according to ATEX directive 2014/34/EU ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU preference code according to IEC 81346-2:2019 QAmblent conditions ambient temperature during operation during storage during transport -50 +80 °C during transport -50 +80 °C 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 at AC-3 rated value maximum 690 V at AC-3 rated value maximum 690 V	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 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 81346-2:2019 Q Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during storage -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 • rated value 690 V • at AC-3 rated value maximum 690 V • 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 type of assignment 2 type of protection according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU post of according to IEC 81346-2:2019 Ambient conditions ambient temperature • during operation • during storage • during transport temperature compensation relative humidity during operation • 20 +60 °C • 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 • at AC-3 rated value • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V	insulation voltage with degree of pollution 3 at AC rated value	690 V
shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical type of assignment 2 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU preference code according to IEC 81346-2:2019 Ambient conditions ambient temperature o during operation of during storage of during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation -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 • 690 V • at AC-3e rated value maximum 690 V	surge voltage resistance rated value	6 kV
mechanical service life (operating cycles) of contactor typical type of assignment 2 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU preference code according to IEC 81346-2:2019 Q Ambient conditions ambient temperature	degree of protection NEMA rating	other
type of assignment type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pm 2 ATEX F 001 reference code according to IEC 81346-2:2019 Q Ambient conditions ambient temperature oluring operation oluring storage oluring storage oluring transport -50 +80 °C -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 orated value at AC-3 rated value maximum 690 V at AC-3e rated value maximum 690 V	shock resistance according to IEC 60068-2-27	6g / 11 ms
type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Ambient conditions ambient temperature • during operation • during storage • during transport • during transport • during transport • -50 +80 °C • during transport • -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 • 690 V • at AC-3 e rated value maximum 690 V	mechanical service life (operating cycles) of contactor typical	10 000 000
certificate of suitability according to ATEX directive 2014/34/EU reference code according to IEC 81346-2:2019 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 adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum • 690 V • at AC-3e rated value maximum • 690 V	type of assignment	2
reference code according to IEC 81346-2:2019 Ambient conditions ambient temperature • during operation • during storage • during transport • 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 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 • at AC-3e rated value maximum • 690 V	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
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 adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • 690 V • at AC-3e rated value maximum 690 V	certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
ambient temperature	reference code according to IEC 81346-2:2019	Q
 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 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 at AC-3e rated value maximum 690 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 at AC-3e rated value maximum 690 V 	ambient temperature	
• 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 690 V • at AC-3e rated value maximum 690 V	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 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 • at AC-3e rated value maximum 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 adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum 690 V	during transport	-50 +80 °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 • at AC-3e 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 • at AC-3e rated value maximum 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 • at AC-3e rated value maximum 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 • at AC-3e rated value maximum 690 V	number of poles for main current circuit	3
dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum 690 V	design of the switching contact	electromechanical
 rated value at AC-3 rated value maximum at AC-3e rated value maximum 690 V 690 V 690 V 		13 20 A
 at AC-3 rated value maximum at AC-3e rated value maximum 690 V 690 V 	operating voltage	
at AC-3e rated value maximum 690 V	• rated value	690 V
	 at AC-3 rated value maximum 	690 V
operating frequency rated value 50 60 Hz	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 kW
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value	24 V
• rated value	24 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	260 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
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 220/230 V rated value	7.5 hp
— at 460/480 V rated value	15 hp
	·
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 magnetic
product function short circuit protection design of the short-circuit trip	
product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq)	
product function short circuit protection design of the short-circuit trip	magnetic
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	magnetic 150 000 A
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	magnetic 150 000 A vertical
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	magnetic 150 000 A
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 20 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 20 mm
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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 20 mm 10 mm
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 — torwards — forwards — backwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 10 mm
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 — torwards — torwards — torwards — torwards — backwards — upwards — backwards — upwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 20 mm 0 mm 50 mm
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 — torwards — torwards — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — downwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 20 mm 0 mm 10 mm
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 — backwards — upwards — backwards — upwards — downwards — forwards — backwards — downwards — downwards — downwards — at the side — downwards — at the side — downwards — at the side	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 20 mm 0 mm 50 mm
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 — torwards — backwards — at the side — downwards — at the side — downwards — at the side Connections/ Terminals	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 20 mm 0 mm 10 mm
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 — of orwards — to ownwards — to ownwards — to ownwards — to ownwards — at the side Connections/ Terminals type of electrical connection	vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 10 mm 20 mm 0 mm 10 mm
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 — backwards — backwards — upwards — torwards — downwards — torwards — backwards — downwards — backwards — upwards — backwards — upwards — backwards — upwards — at the side Connections/ Terminals	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 193 mm 45 mm 107 mm 20 mm 0 mm 50 mm 10 mm 20 mm 0 mm 10 mm

Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
 with high demand rate according to SN 31920 	73 %
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
Certificates/ approvals	

General Product Approval

For use in hazardous locations

Declaration of Conformity

Confirmation











Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate





Confirmation

other





Marine / Shipping



Vibration and Shock

Railway

Transport Information

Dangerous Good

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2120-4BA27-0FB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2120-4BA27-0FB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4BA27-0FB4

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

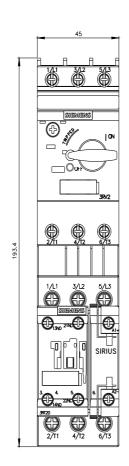
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2120-4BA27-0FB4&lang=en

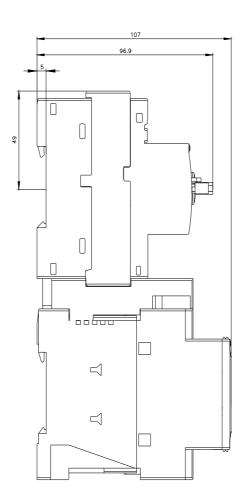
Characteristic: Tripping characteristics, I2t, Let-through current

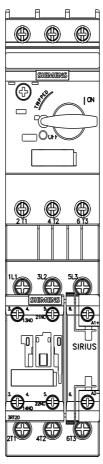
https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4BA27-0FB4/char

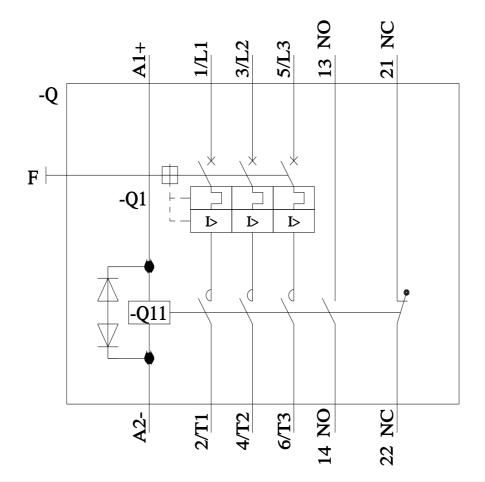
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-4BA27-0FB4&objecttype=14&gridview=view1









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