3RA2120-4BA27-0BB4

## **Data sheet**



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)

product designation design of the product for Din-rail or screw mounting product type designation sarA21 for Din-rail or screw mounting sarA292 for the product pode designation sarA21 manufacturer's article number  of the supplied contactor sarX2021-IBB40 sarX2021-IBB40 of the supplied link module sarX2021-IBA10 sarX202	product brand name	SIRIUS
design of the product product type designation 3RA21  manufacturer's article number  of the supplied contactor 3RT2027-1BB40 agry2021-1BB40 of the supplied circuit-breakers agry2021-1BB40 agry2021-1BA10 agry2021-1BB40 agry201-1BA10 agry201-1BA10 agry201-1BA10 agry201-1BA10 agry201-1BA10 agry201-1BA10 agry	·	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 3RA2921-1BA00 General technical data size of the circuit-breaker Size of the supplied circuit-breaker Size of the circuit-breaker Size of the switching contact All Circuits of the circuit-breaker Size of the switching contact Size of the surface of the circuit-breaker Size of the surface of the circ		
manufacturer's article number  of the supplied contactor of the supplied contactor of the supplied contactor of the supplied link module 3RA2921-1BA00  Consral tochnical data size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of load feeder S0  power loss [W] for rated value of the current of the toperating state per pole owithout load current share typical surge voltage resistance rated value of kV degree of protection NEMA rating shock resistance according to IEC 60088-2-27 mechanical service life (operating cycles) of contactor typical reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) VIHO substance Prohib		
of the supplied circuit-breakers of the supplied link module  General technical data  size of the circuit-breaker size of load feeder So  power loss [W] for rated value of the current  ot 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 60068-2-27 mechanical service life (operating cycles) of contactor typical substance Prohibitance (Date)  Substance Prohibitance (Date)  Substance Prohibitance (Date)  SVHC substance name Lead -7439-92-1  Weight Ambient conditions  ambient temperature of during operation during storage during operation -20 +60 °C during transport -50 +80 °C temperature compensation -20 +60 °C celative humidity during operation -20 +60 °C celative humidity during operation -20 +60 °C celative humidity during operation -20 +60 °C -4 during transport -50 +80 °C -6 during transport -50 +80 °C -6 during operation -20 +60 °C -6 during operation -20 +60 °C -7 celative humidity during operation -7 celative hu		
of the supplied link module  General technical data  size of the circuit-breaker size of toad feeder so  power loss [W] for rated value of the current	of the supplied contactor	3RT2027-1BB40
of the supplied link module  General technical data  size of the circuit-breaker size of toad feeder so  power loss [W] for rated value of the current	of the supplied circuit-breakers	3RV2021-4BA10
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 load current share typical surge voltage with degree of pollution 3 at AC rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 special field (perating cycles) of contactor typical type of assignment greference code according to IEC 81346-2:2019 Qusubstance Prohibitance (Date) SVHC substance (Date) SVHC substance (Date)  subject conditions  ambient temperature during operation during storage during storage during storage during transport temperature compensation relative humidity during operation  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  support  solution  solution  solution  solution  solution solutio		3RA2921-1BA00
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  other  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)  SVHC substance name  Lead - 7439-92-1  Weight  1.08 kg  Ambient conditions  ambient temperature  during operation  during storage  during transport  -20 +60 °C  eturning transport  -20 +80 °C  eturning transport  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  e rated value  690 V  690 V  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 other 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) SVHC substance name Lead - 7439-92-1 Weight 1.08 kg  Ambient conditions  ambient temperature • during operation • during storage • during transport -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 • 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 surge 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 1.08 kg  Ambient conditions  ambient temperature	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)   10/01/2009     SVHC substance name   Lead - 7439-92-1     Weight   1.08 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   adiabate current circuit   3     design of the switching contact   electromechanical     adjustable current response value current of the current-dependent overload release   690 V     e 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) 10/01/2009  SVHC substance name Lead - 7439-92-1  Weight 1.08 kg  Ambient conditions  ambient temperature  during operation during storage during transport -50 +60 °C -50 +80 °C -50 +80 °C -50 +60 °C  temperature compensation -20 +60 °C  relative humidity during operation -20 +60 °C  temperature transport -50 +80 °C -50 +60 °C  relative humidity during operation -20 .	<ul> <li>at AC in hot operating state per pole</li> </ul>	5.8 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 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 1.08 kg  Ambient conditions  ambient temperature • during operation • during storage • 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 • at AC-3 rated value maximum  690 V	<ul> <li>without load current share typical</li> </ul>	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 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.08 kg Ambient conditions ambient temperature • during operation • during storage • during transport temperature compensation -20 +60 °C • during transport -50 +80 °C temperature compensation 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	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 1.08 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) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.08 kg  Ambient conditions ambient temperature • during operation • during storage • 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 operating voltage • rated value • at AC-3 rated value maximum  10 95 V	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 1.08 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  1.08 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  1.08 kg  Ambient conditions  ambient temperature  • during operation • during storage • during transport  -50 +80 °C  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  1.08 kg  1.08 kg  Ambient conditions  -20 +60 °C  -50 +80	type of assignment	2
SVHC substance name  Lead - 7439-92-1  Weight  1.08 kg  Ambient conditions  ambient temperature  • during operation • during storage • during transport • 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 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	reference code according to IEC 81346-2:2019	Q
Weight  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 • rated value • at AC-3 rated value maximum	Substance Prohibitance (Date)	10/01/2009
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  -20 +60 °C  -50 +80 °C  -10 +60 °C	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  -20 .	Weight	1.08 kg
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>50 +80 °C</li> <li>temperature compensation</li> <li>20 +60 °C</li> <li>temperature compensation</li> <li>20 +60 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> <li>Main circuit</li> <li>number of poles for main current circuit</li> <li>design of the switching contact</li> <li>electromechanical</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> </ul>	Ambient conditions	
<ul> <li>during storage</li> <li>during transport</li> <li>50 +80 °C</li> <li>temperature compensation</li> <li>20 +60 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> <li>Main circuit</li> <li>number of poles for main current circuit</li> <li>design of the switching contact</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> </ul>	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  13 95 %  electromechanical 13 20 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 %  8  8  8  9  8  9  9  9  9  9  9  9  9	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  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  13 20 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  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
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>690 V</li> </ul>		13 20 A
• at AC-3 rated value maximum 690 V	operating voltage	
	• rated value	690 V
• at AC-3e rated value maximum 690 V	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
	<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V

	50 0011-
operating frequency rated value	50 60 Hz
operational current	00.4
• 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	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	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	·p
— at 200/208 V rated value	7.5 hp
— at 220/230 V rated value	7.5 hp
— at 220/200 v fatca value	7.5 Hp
at 460/480 V rated value	15 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	
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
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 193 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 193 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 193 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 193 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 193 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	Yes magnetic  150 000 A  vertical screw and snap-on mounting onto 35 mm DIN rail 193 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	Yes magnetic  150 000 A  vertical screw and snap-on mounting onto 35 mm DIN rail 193 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 193 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 193 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 193 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	Yes 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
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 193 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 193 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  • forwards	Yes 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 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  • for live parts  — forwards  — backwards  — backwards	Yes 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 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  — at the side  — downwards  • for live parts  — forwards  — backwards  — backwards  — backwards  — upwards  • for live parts  — forwards  — backwards  — backwards  — upwards	Yes 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  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 — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — to parts — forwards — backwards — upwards — downwards — backwards — backwards — backwards — backwards — backwards — backwards — downwards	Yes 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  50 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  — at the side  Connections/ Terminals	Yes 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  50 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 — at the side — downwards — at the side — downwards — at the side — downwards — at the side	Yes 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 0 mm 50 mm 10 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 — at the side — downwards — at the side — downwards — 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 193 mm 45 mm 107 mm  20 mm 0 mm 50 mm 10 mm 10 mm 50 mm 10 mm somm 50 mm comm somm somm somm somm somm somm so
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  — towards  — to	Yes 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 0 mm 50 mm 10 mm 20 mm

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	
<ul> <li>PROFINET IO protocol</li> </ul>	No
PROFIsafe protocol	No
protocol is supported AS-Interface protocol	No
Annuariala Cartificatas	

Approvals Certificates

**General Product Approval** 

For use in hazardous locations





Confirmation







**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report

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









Marine / Shipping

other Railway Dangerous goods







Confirmation

**Special Test Certific**ate

**Transport Information** 

### Environment

Environmental Con**firmations** 

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=3RA2120-4BA27-0BB4

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2120-4BA27-0BB4}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4BA27-0BB4

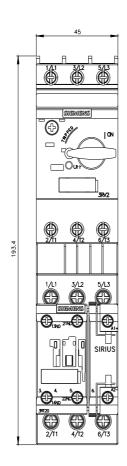
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

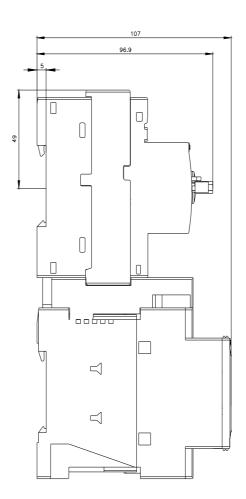
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2120-4BA27-0BB4&lang=en

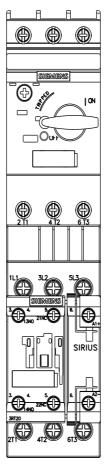
Characteristic: Tripping characteristics, I2t, Let-through current

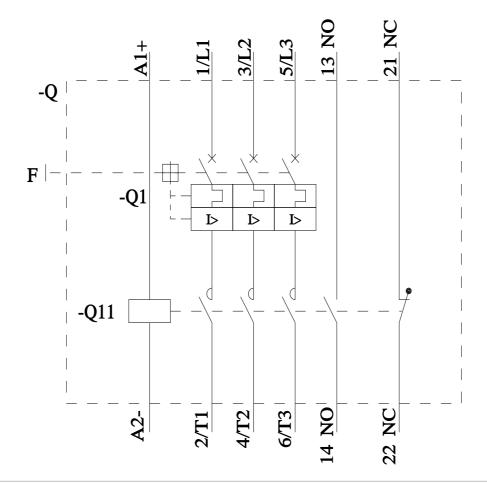
https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4BA27-0BB4/char

Further characteristics (e.g. electrical endurance, switching frequency) <a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-4BA27-0BB4&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-4BA27-0BB4&objecttype=14&gridview=view1</a>









last modified: 2/25/2025 🖸

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Siemens:

3RA21204BA270BB4