## Data sheet 3RA2110-4AA18-1BB4



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 10...16 A 24 V DC screw terminal for installation on standard mounting rail Type of coordination 1, Iq = 150 kA 1 NO (contactor)

product designation design of the product for standard rail or screw mounting product type designation size of the supplied contactor of the supplied contactor of the supplied contactor of the supplied link module size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of load feeder so owner loss [W] for rated value of the current of the supplied size of the circuit-breaker size of the circuit-breaker size of load feeder so owner loss [W] for rated value of the current of the circuit-breaker size of load feeder so owner loss [W] for rated value of the current of the circuit-breaker size of load feeder so owner loss [W] for rated value of the current of the circuit-breaker size of load feeder so owner loss [W] for rated value of the current of the circuit-breaker size of load feeder so owner loss [W] for rated value of the current of the circuit-breaker size of load feeder so owner loss [W] for rated value of the current of the circuit-breaker size of load feeder so owner loss [W] for rated value of the current of the surger value free feeder of pollution 3 at AC rated value degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 for for for feeder of pollution 3 at AC rated value shock resistance according to IEC 60068-2-7 for for for feeder of protection according to ATEX directive 2014/34/EU  Uppe of protection according to ATEX directive 2014/34/EU  Type of protection according to ATEX directive 2014/34/EU  DMT 02 ATEX F 001  reference code according to IEC 81346-2:2019 Q  Substance Prohibitance (Date)  Ambient conditions  ambient temperature of during storage of during transport  defined of with size for the current of design of the writching contact adjustable current response value current of the current dependent overload release operating voltage  and AC-3 rated value maximum of 800 V	product brand name	SIRIUS		
design of the product product type designation graces article number of the supplied contactor of the supplied circuit-breakers of the supplied circuit-breakers of the supplied circuit-breakers of the supplied dicrouit-breakers of the supplied in module graces size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of toad feeder power loss [W] for rated value of the current of the supplied with degree of pollution 3 at AC rated value of without load current share typical insulation voltage with degree of pollution 3 at AC rated value of the voltage resistance rated value of the voltage resistance rated value of the voltage resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical type of assignment type of assignment type of assignment type of assignment type of suitability according to ATEX directive 2014/34/EU pertificate of suitability according to ATEX directive 2014/34/EU pertificate of suitability according to IEC 81346-2:2019 Qubstance Prohibitance (Date) Ambient conditions ambient temperature of during storage of during transport of uning torage of uning transport of uning torage of uning transport of the switching contact adjustable current response value current of the current-dependent overload release operating voltage or rated value on AtAC-3 rated value maximum of 900 V	-	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  3RA1921-1DA00  Ceneral technical data  size of the circuit-breaker size of load feeder soo power loss [W] for rated value of the current of the surplied size of the circuit-breaker size of load feeder soo without load current share typical this unit on the operating state per pole without load current share typical without load current share typical this unit load current share typical without load current share typical without load current share typical the without load current share typical the without load current share typical without load current share typical there are the size of south share typical share share share according to IEC 80088-2-27 for protection according to ATEX directive 2014/34/EU EXII (2) GD certificate of suitability according to ATEX directive 2014/34/EU EXII (2) GD certificate of suitability according to ATEX directive 2014/34/EU EXII (2) GD Substance Prohibitance (Date)  Ambient conditions  and provide the switching contact design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage a rated value a rated value a rated value at AC-3 rated value maximum  are the circuit- sarchitecture and the surrent- sarchitecture and the surrent- sarchitecture and the surr		· · ·		
manufacturer's article number  of the supplied contactor of the supplied contactor of the supplied contactor of the supplied link module 3RA1921-1DA00  General technical data size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of load feeder S00  power loss [W] for rated value of the current otal AC in hot operating state per pole without load current share typical surge voltage resistance rated value of the circuit breaker size of load feeder sono without load current share typical surge voltage resistance rated value of kV degree of protection NEMA rating shock resistance according to IEC 80088-2-27 get /11 ms mechanical service life (operating cycles) of contactor typical shock resistance according to ATEX directive 2014/34/EU 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 Substance Prohibitance (Date) Ambient conditions ambient temperature of utring operation of utring storage of utring torage during transport temperature compensation 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 a rated value at AC-3 rated value maximum  of the current-dependent overload release operating voltage a rated value at AC-3 rated value maximum		, and the second		
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  old 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 type of assignment type of protection NEMA rating certificate of suitability according to ATEX directive 2014/34/EU certificate of suitability according to IEC 4346-2:2019 Qubstance Prohibitance (Date) Ambient conditions  ambient temperature olduring storage of during transport temperature compensation claim for the switching contact design of the switching contact dependent overload release operating voltage or table value at AC-3 rated value at AC-3 rated value maximum os 000  Soo  Soo  AU ALT W ALT				
of the supplied link module     Secure 1 technical data     size of the circuit-breaker     size of the circuit-breaker     size of load feeder     So     so     size of load feeder     size of load feeder     size of load feeder     size of load feeder     so     size of load feeder     size of load fixe of load feeder     size of load feeder     size of load	of the supplied contactor	3RT2018-1BB41		
of the supplied link module     Secure 1 technical data     size of the circuit-breaker     size of the circuit-breaker     size of load feeder     So     so     size of load feeder     size of load feeder     size of load feeder     size of load feeder     so     size of load feeder     size of load fixe of load feeder     size of load feeder     size of load	of the supplied circuit-breakers			
size of the circuit-breaker  size of load feeder  soo  power loss [W] for rated value of the current  • at AC in hot operating state per pole • without load current share typical  • without load current share typical  surge voltage resistance rated value  6890 V  surge voltage resistance rated value  680 V  degree of protection NEMA rating  shock resistance according to IEC 60068-2-27  69 /11 ms  mechanical service life (operating cycles) of contactor typical  type of assignment  1 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  Qu Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage • during transport  -20 +60 °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 • at AC-3 rated value maximum  500  \$\text{600 V}\$				
size of load feeder S00  power loss [W] for rated value of the current  • at AC in hot operating state per pole 4.1 W  • without load current share typical 4W  insulation voltage with degree of pollution 3 at AC rated value 690 V  surge voltage resistance rated value 6k W  degree of protection NEMA rating 0ther 6g / 11 ms  shock resistance according to IEC 60068-2-27 6g / 11 ms  mechanical service life (operating cycles) of contactor typical 30 000 000  type of assignment 1 1  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  Substance Prohibitance (Date) 10/01/2009  Ambient conditions  ambient temperature  • during operation -20 +60 °C  • during storage -50 +80 °C  • during transport -50 +80 °C  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 and AC-3 rated value maximum 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  690 V  surge voltage resistance rated value 66 kV  degree of protection NEMA rating shock resistance according to IEC 60068-2-27 68 / 11 ms mechanical service life (operating cycles) of contactor typical 1 type of assignment 1 type of protection according to ATEX directive 2014/34/EU 2crifficate of suitability according to EC 81346-2:2019 Q 3cubstance Prohibitance (Date) 4 moitent conditions ambient temperature 4 during operation 2-20 +60 °C 4 during storage 4 during transport 5-50 +80 °C 4 during transport 5-50 +80 °C 4 temperature compensation 2-20 +60 °C 7-20 +60 °C 7-20 +60 °C 7-20 +60 °C 8 during transport 10 95 %  Main circuit  number of poles for main current circuit 4 design of the switching contact 4 electromechanical 4 adjustable current response value current of the current-dependent overload release 4 operating voltage 4 rated value 5 operating voltage 4 at AC-3 rated value maximum 5 of 90 V	size of the circuit-breaker	S00		
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 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 type of assignment 11 type of protection according to ATEX directive 2014/34/EU 12 Ex II (2) GD 13 Certificate of suitability according to ATEX directive 2014/34/EU 13 Certificate of suitability according to ATEX directive 2014/34/EU 14 Teference code according to IEC 81346-2:2019  Substance Prohibitance (Date) 10/01/2009  Ambient conditions ambient temperature 15 during operation 16 during operation 17 Certificate of suitability during operation 18 Certificate of suitability during operation 19 Certificate of suitability during operation 10 95 %  Main circuit 10 95 %  Main circuit 10 16 A 10 16	size of load feeder	S00		
without load current share typical   4 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   30 000 000     type of assignment   1     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     Substance Prohibitance (Date)   10/01/2009     Ambient conditions     ambient temperature   during operation   -20 +60 °C     during storage   -50 +80 °C     during transport   -50 +80 °C     temperature compensation   -20 +60 °C     temperature compensation   -20 +60 °C     temperature compensation   -20 +60 °C     temperature trivial ty during operation   -20 +60 °C     temperature to ples for main current circuit   3     design of the switching contact   electromechanical     adjustable current response value current of the current-dependent overload release     operating voltage       erated value   690 V     et 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 30 000 000  type of assignment  1 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 Qube substance Prohibitance (Date)  Ambient conditions  ambient temperature  during operation during storage during transport during transport during during operation -20 +60 °C -50 +80 °C -50 +80 °C -50 +60 °C -50	• at AC in hot operating state per pole	4.1 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 type of protection according to ATEX directive 2014/34/EU certificate of suitability 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 Q Substance Prohibitance (Date) 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 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  other  other  other  show V  6 kV  10  LT MS  SUBJECT  SUBJE	<ul> <li>without load current share typical</li> </ul>	4 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 1 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Qu Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during storage • 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	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 30 000 000  type of assignment 1 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 Substance Prohibitance (Date) 10/01/2009  Ambient conditions  ambient temperature  • during operation -20 +60 °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 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	surge voltage resistance rated value	6 kV		
mechanical service life (operating cycles) of contactor typical type of assignment 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 Substance Prohibitance (Date) Ambient conditions ambient temperature during operation during storage 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 e at AC-3 rated value maximum  1	degree of protection NEMA rating	other		
type of assignment  type of protection according to ATEX directive 2014/34/EU  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  Q Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation  • during storage • during storage • during transport  • during ransport  -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	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  Q  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage • during transport  temperature compensation -20 +60 °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 • at AC-3 rated value maximum  690 V	mechanical service life (operating cycles) of contactor typical	30 000 000		
certificate of suitability according to ATEX directive 2014/34/EU  reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date)  Ambient conditions  ambient temperature	type of assignment	1		
reference code according to IEC 81346-2:2019  Substance Prohibitance (Date)  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 adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  10 10 / 00 / 00 / 00 / 00 / 00 / 00	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD		
Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage • during transport • during transport  • 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 • rated value • at AC-3 rated value maximum  10 16 A	certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001		
Ambient conditions  ambient temperature  • during operation • during storage • during transport  • 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  -20 +60 °C  10 95 %  All of C  -20 +60 °C  -20	reference code according to IEC 81346-2:2019	Q		
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  -50 +60 °C  -10 +60 °C  -	Substance Prohibitance (Date)	10/01/2009		
<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	<ul> <li>during operation</li> </ul>	-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 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 10 16 A  690 V	during storage	-50 +80 °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  10 95 %  8 electromechanical  10 16 A  690 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   design of the switching contact  electromechanical  10 16 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  10 16 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  10 16 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		
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>690 V</li> </ul>		10 16 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		

anarating fraguancy rated value	50 60 Hz
operating frequency rated value	50 60 Hz
operational current	40.4
• at AC-3 at 400 V rated value	16 A
at AC-3e at 400 V rated value	16 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	4 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	208 A
UL/CSA ratings	2007
full-load current (FLA) for 3-phase AC motor	44.5
• at 480 V rated value	14 A
at 600 V rated value	11 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	1 hp
— at 230 V rated value	2 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
	150 000 A
conditional short-circuit current (Iq)  • at 400 V according to IEC 60947-4-1 rated value	150 000 A
conditional short-circuit current (Iq)  • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions	150 000 A vertical
conditional short-circuit current (Iq)  • at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position	vertical
conditional short-circuit current (Iq)  • at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method	vertical screw and snap-on mounting onto 35 mm DIN rail
conditional short-circuit current (Iq)  • at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 20 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 20 mm 10 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 20 mm 10 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 10 mm 10 mm
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 — torwards — backwards — upwards	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 10 mm 0 mm
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	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 10 mm 10 mm
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 — torwards — backwards — upwards	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 10 mm 0 mm
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 — downwards  • for live parts — forwards — backwards — upwards — backwards — downwards — downwards — downwards	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 10 mm 50 mm 0 mm
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 — at the side — downwards — backwards — backwards — backwards — backwards — backwards — backwards — at the side — downwards — at the side	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 10 mm 50 mm 0 mm
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 — torwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side — Connections/ Terminals	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm  20 mm 0 mm 50 mm 10 mm 50 mm 0 mm

for auxiliary and control circuit	screw-type terminals				
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 hazard- ous locations	Declaration of Conformity		

Confirmation











**Test Certificates** 

Marine / Shipping

Special Test Certificate Type Test Certificates/Test Report





Confirmation

other





Marine / Shipping





Railway

Vibration and Shock T

**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=3RA2110-4AA18-1BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-4AA18-1BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-4AA18-1BB4

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

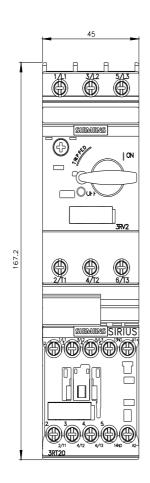
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2110-4AA18-1BB4&lang=en

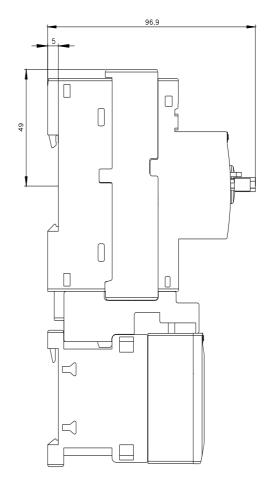
Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

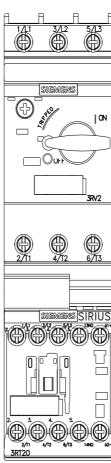
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-4AA18-1BB4/char

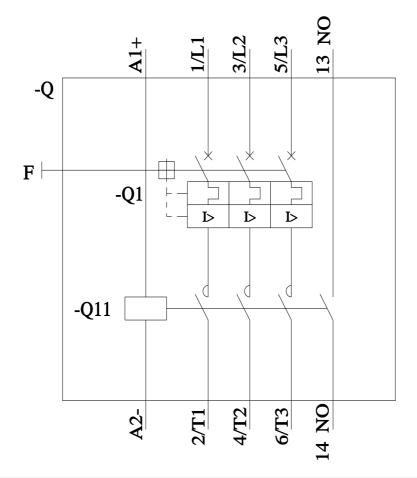
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-4AA18-1BB4&objecttype=14&gridview=view1









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