## SIEMENS

## Data sheet

## 3RA2120-1GH24-0AP0



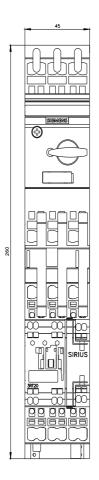
Load feeder fuseless, Direct-on-line starting 400 V AC, Size S0 4.50...6.30 A 230 V AC Spring-type terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO+1 NC (contactor)

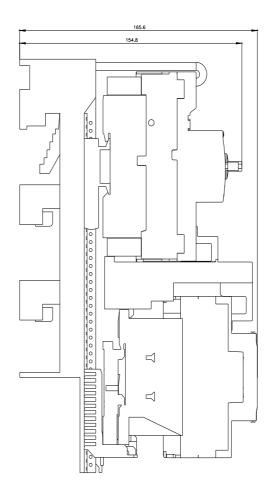
size of the circuit-breaker         S0           size of load feeder         S0           power loss [W] for rated value of the current         S0           • at AC in hot operating state per pole         2.7 W           • without load current share typical         7.6 W           insulation voltage 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 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)         03/01/2017           Ambient conditions         -20 +60 °C           • during operation         -20 +60 °C           • during storage         -50 +80 °C           • during transport         -20 +60 °C           relative humidity during operation         -20 +60 °C		
design of the product         for 60 mm busbars           product type designation         FAZ1           manufacturyPa stricle number         F           • of the supplied contactor         SR12024-2AP:00           • of the supplied contactor         SR12024-2AP:00           • of the supplied contactor         SR12024-2AP:00           • of the supplied busbar adapter         SR2921-2AA:00           Stars of the circuit-breakers         SO           size of the circuit-breaker         SO           size of the dreater         SO           size of the dreater bere pole         SO           • at AC in hot operating state per pole         7.7 W           • without load current stare typical         7.6 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           degree of protection NEMA rating         other           strice of suitability according to ATEX directive 2014/34EU         EXII (2) GD           type of assignment         2           type of protection according to IEC 81348-22019         Q           Subtace Prohibitance (Date)         S001/2017           without go grange         -50+60 "C           • during strage         -50+60 "C           • during strage         -50+60 "C	product brand name	SIRIUS
product type designation         3RA21           manufacturer's article number         str2024:2AP00           of the supplied contactor         3RX2021:1GA20           of the supplied circuit-breakers         3RX2021:1GA20           of the supplied idinuit module         3RA211           of the supplied bubbar adapter         9US1251:SNT11           of the supplied bubbar adapter         SUS1251:SNT11           of the circuit-breaker         SO           size of load feeder         SO           of the direurit-breaker         SO           size of load feeder         FO           without load current share typical         FO           insulation voltage with degree of pollution 3 at AC rated value         60 V           starge voltage resistance rated value         60 V           starge of protection According to EE 60068-227         6g / 11 ms           mechanical service life (operating cycles) of contactor typical         10000 000           type of protec	product designation	Direct (on-line) starter
manufacture's article number         RT2024_2AP00           • of the supplied contactor         RRT2024_16A20           • of the supplied contactor adapter         RRT2024_16A20           • of the supplied busks adapter         RRT2024_16A20           • of the supplied contactor         S0           Star of the circuit-breaker         S0           size of the circuit-breaker         S0           size of the circuit-breaker         S0           • at AC in hot operating state per pole         2.7 W           • at AC in hot operating state per pole         2.7 W           • without load current share typical         7.6 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           surge voltage resistance rated value         64 V           degree of protection NEMA rating         other           shock resistance according to IEC 60068-2-27         6g / 11 ms           mechanical service life (operating cycles) of contactor typical         10000 000           type of assignment         2           type of protection according to ATEX directive 2014/34/EU         DMT 02 ATEX F 001           reference code according to IC 81364-2:2019         Q           Substance Prohibitance (Date)         03/01/2017           Athin chorditions         -40 m ° C	design of the product	for 60 mm busbars
• of the supplied cortactor         SRT2024-2AP00           • of the supplied incuit-breakers         SRV2021-1GA20           • of the supplied incuit-breakers         SRV2021-1GA20           • of the supplied incuit-breakers         SRV2021-1GA20           • of the supplied ink module         SRA221-2AA00           State of the circuit-breaker         S0           size of load feeder         S0           • at AC in hot operating state per pole         2.7 W           • without load current share typical         7.6 W           insulation voltage with degree of pollution 3 at AC rated value         690 V           surge voltage resistance rated value         64V           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 protection according to IEC 801434-EU         DMT 02 ATEX F 001           certificate of suitability according to ATEX directive 2014/34/EU         DMT 02 ATEX F 001           certificate of suitability according to ATEX directive 2014/34/EU         DMT 02 ATEX F 001           voltion storage         -50 +60 °C           • during storage         -20 +60 °C           • during storage         -50 +60 °C	product type designation	3RA21
• of the supplied circuit-breakersSRV2021-IGA20• of the supplied lusbar adapterSUS1251-SNT11• of the supplied lusbar adapterSRA2921-2GA00Soneral technical dataSosize of the circuit-breakerS0• of the direcuit-breakerS0• of the directit-breakerS0• of the directit-breakerS0• of the directit-breakerS0• of the directit-breakerS0• directit-breakerS0• directit-breakerS0• of protection according to ATEX directit-breakerDNT 02 ATEX F 001• of protection directit-breakerS0• of uning operation-20• during operation-20 <th>manufacturer's article number</th> <th></th>	manufacturer's article number	
• of the supplied husbar adapterBUS1251-SNT11• of the supplied husbar adapterSRA2921-2AA00Senoral technical dataS0size of the circuit-breakerS0size of the circuit-breakerS0• at AC in hot operating state per pole2,7 W• at AC in hot operating state per pole7,6 W• without load current share typical6 KVdegree of protection NEMA ratingothershock resistance according to EEC 60068-2-276g /11 msmechanical service life (operating cycles) of contactor typical10 000 000type of protection according to LEC 60068-2-276g /11 msmechanical service life (operating cycles) of contactor typical10 000 000type of assignment2type of protection according to ATEX directive 2014/34/EUDMT 02 ATEX F 001reference code according to ATEX directive 2014/34/EUDMT 02 ATEX F 001reference code according to IEC 81346-2:2019QSubtence Prohibitance (Date)-20+60 °C• during operation-20+60 °C• during transport-20+60 °C <tr< th=""><th><ul> <li>of the supplied contactor</li> </ul></th><th><u>3RT2024-2AP00</u></th></tr<>	<ul> <li>of the supplied contactor</li> </ul>	<u>3RT2024-2AP00</u>
• of the supplied link module     BRA2921-2AA00       Sonoral tochnical data     S0       size of the circuit-braker     S0       power loss [W] for rated value of the current     S0       • at AC in hot operating state per pole     2.7 W       • without load current share typical     7.6 W       insulation voltage with degree of pollution 3 at AC rated value     690 V       surge voltage resistance rated value     680 V       surge voltage resistance rated value     68 V       degree of protection NEMA rating     other       shock resistance according to IEC 60068-227     69 / 11 ms       mechanical service life (operating cycles) of contector typical     10 000 000       type of assignment     2       certificate of suitability according to ATEX directive 2014/34/EU     DMT 02 ATEX F 001       reference code according to IEC 81348-2:2019     Q       Substance Prohibitance (Date)     03/01/2017       Valuet conditions     -20+60 °C       • during operation     -20+60 °C       • during storage     -50+80 °C       • during storage     -50+80 °C       reflexie humidity during operation     -20+60 °C       • during transport     -20+60 °C       • during operation     -20+60 °C       • during transport     -50+80 °C       relative humid	<ul> <li>of the supplied circuit-breakers</li> </ul>	<u>3RV2021-1GA20</u>
Seneral technical data           size of the circuit-breaker         S0           of AC in hot operating state per pole         2.7 W           • without load current share typical         7.6 W           insulation voltage with degree of polution 3 at AC rated value         690 V           surge voltage resistance rated value         600 V           degree of protection NEMA rating         other           shock resistance according to IEC 60068-2-27         6g / 11 ms           mechanical service life (operating cycles) of contactor typical         10 000 000           type of assignment         2           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)	<ul> <li>of the supplied busbar adapter</li> </ul>	<u>8US1251-5NT11</u>
size of the circuit-breaker     S0       size of load feeder     S0       size of load feeder     S0       power loss [W] for rated value of the current     -       • at AC in hot operating state per pole     2.7 W       • without load current share typical     7.6 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 protection NEMA rating     other       stock resistance 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)     03/01/2017       Amblent conditions     -20 +60 °C       • during operation     -20 +60 °C       • during torage     -50 +80 °C       • during torage     -20 +60 °C       relative humidity during operation     10 95 %       Ablent conditions     3       design of the switching contact     electomechanical       adjustable current response value current of the current-	<ul> <li>of the supplied link module</li> </ul>	<u>3RA2921-2AA00</u>
size of load feeder         S0           power loss [W] for rated value of the current         50           at AC in hot operating state per pole         2.7 W           without load current share typical         7.6 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 EC 60068-2-27         69 / 11 ms           mechanical service life (operating cycles) of contactor typical         1000 000           type of protection ACCORIng 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)         03/01/2017           Ambient temperature         -20 +60 °C           • during operation         -20 +60 °C           • during torage         -50 +80 °C           • during torage         -50 +80 °C           • during torage         -50 +60 °C           • during torage orterion         -20 +60 °C           • during torage orterion         -20 +60 °C           • during torage orterion         -	General technical data	
Instruction         Image: Constraint of the current of the current of the current share typical         Z.7 W           • without load current share typical         7.6 W           insulation voltage with degree of pollution 3 at AC rated value         690 V           surge voltage resistance rated value         64 kV           degree of protection NEMA rating         other           shock resistance according to IEC 60068-2-27         6g / 11 ms           mechanical service life (operating cycles) of contactor typical         10 000 000           type of protection according to AEX directive 2014/34/EU         EMI (2) GD           certificate of suitability according to IEC 81346-2:2019         Q           Substance Prohibitance (Date)         03/01/2017           Ambient temperature         -20 +60 °C           • during transport         -20 +60 °C           • during transpo	size of the circuit-breaker	S0
• at AC in hot operating state per pole2.7 W• without load current share typical7.6 Winsulation voltage with degree of pollution 3 at AC rated value690 Vsurge voltage resistance rated value64 Vdegree of protection NEMA ratingothershock resistance according to IEC 60068-2-276g / 11 msmechanical service life (operating cycles) of contactor typical10 000 000type of assignment2type of protection according to ATEX directive 2014/34/EUDMT 02 ATEX F 001certificate of suitability according to ATEX directive 2014/34/EUDMT 02 ATEX F 001reference code according to IEC 81346-2:2019QSubstance Prohibitance (Date)03/01/2017Ambient conditions-20 +60 °C• during storage-50 +80 °C• during storage-50 +80 °C• during storage-50 +80 °C• during transport-20 +60 °C• during torage-50 +60 °C• during torage-50 +60 °C• during torage-60 +60 °C </th <th>size of load feeder</th> <th>S0</th>	size of load feeder	S0
• without load current share typical7.6 Winsulation voltage with degree of pollution 3 at AC rated value690 Vsurge voltage resistance rated value6 kVdegree of protection NEMA ratingothershock resistance according to IEC 60068-2-276g / 11 msmechanical service life (operating cycles) of contactor typical10 000 000type of assignment2type of protection according to ATEX directive 2014/34/EUEx II (2) GDcertificate of suitability according to ATEX directive 2014/34/EUDMT 02 ATEX F 001reference code according to IEC 81346-2:2019QSubstance Prohibitance (Date)0aubient conditions-20+60 °Caubient conditions-20+60 °C• during operation-20+60 °C• during storage-50+80 °C• during transport-20+60 °C• during transport-50+80 °C• during transport095 %Aten cructi3adjustable current response value current of the current- degred of °C• during transport3design of the switching contactsiccomechanicaladjustable current response value current of the current- degred °C-6.3 Aoperating voltage-6.3 A• rated value690 V	power loss [W] for rated value of the current	
Instalation 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           certificate of suitability 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)         03/01/2017           Ambient conditions         -20 +60 °C           - during operation         -20 +60 °C           - during storage         -50 +80 °C           - during storage         -20 +60 °C           - during transport         -20 +60 °C           relative humidity during operation         -60 °C           relative humidity during operation         -60 °C           relative	<ul> <li>at AC in hot operating state per pole</li> </ul>	2.7 W
surge voltage resistance rated value 6kV 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 OMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions ambient temperature	<ul> <li>without load current share typical</li> </ul>	7.6 W
degree of protection NEMA rating         other           shock resistance according to IEC 60068-2-27         6g / 11 ms           mechanical service life (operating cycles) of contactor typical         10 000 000           type of assignment         2           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)         03/01/2017           Ambient conditions         -20 +60 °C           e during operation         -20 +60 °C           e during storage         -50 +80 °C           e during transport         -50 +80 °C           temperature compensation         -20 +60 °C           relative humidity during operation         10 95 %           Main circuit         3           design of the switching contact         electomechanical           adjustable current response value current of the current- dependent overload release         600 V	insulation voltage with degree of pollution 3 at AC rated value	690 V
shock resistance according to IEC 60068-2-276g / 11 msmechanical service life (operating cycles) of contactor typical10 000 000type of assignment2type of protection according to ATEX directive 2014/34/EUEx II (2) GDcertificate of suitability according to ATEX directive 2014/34/EUDMT 02 ATEX F 001reference code according to IEC 81346-2:2019QSubstance Prohibitance (Date)03/01/2017Ambient conditions-ambient temperature-• during operation-20 +60 °C• during storage-50 +80 °C• during transport-20 +60 °Crelative humidity during operation-20 +60 °Crelative humidity during operation-20 +60 °Candber temperature compensation-20 +60 °Ceduring transport-50 +80 °Ctablex terrent compensation-20 +60 °Crelative humidity during operation10 95 %Main circuit3design of the switching contactelectromechanicaladjustable current response value current of the current-dependent overload release4.5 6.3 Aoperating voltage 6.3 A	surge voltage resistance rated value	6 kV
mechanical service life (operating cycles) of contactor typical10 000 000type of assignment2type of protection according to ATEX directive 2014/34/EUEx II (2) GDcertificate of suitability according to ATEX directive 2014/34/EUDMT 02 ATEX F 001reference code according to IEC 81346-2:2019QSubstance Prohibitance (Date)03/01/2017Ambient conditions-20 +60 °Ce during operation-20 +60 °Ce during storage-50 +80 °Ce during transport-50 +80 °Ctemperature compensation-20 +60 °Ce datin circuit3number of poles for main current circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release690 V	degree of protection NEMA rating	other
type of assignment2type of protection according to ATEX directive 2014/34/EUEx II (2) GDcertificate of suitability according to ATEX directive 2014/34/EUDMT 02 ATEX F 001reference code according to IEC 81346-2:2019QSubstance Prohibitance (Date)03/01/2017Ambient conditions	shock resistance according to IEC 60068-2-27	6g / 11 ms
Arror 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)         03/01/2017           Ambient conditions         -20 +60 °C           e during operation         -20 +60 °C           e during storage         -50 +80 °C           e during transport         -50 +80 °C           temperature compensation         -20 +60 °C           relative humidity during operation         10 95 %           Atin circuit         3           design of the switching contact         electromechanical           adjustable current response value current of the current- dependent overload release         4.5 6.3 A           operating voltage • rated value         690 V	mechanical service life (operating cycles) of contactor typical	10 000 000
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)     03/01/2017       Ambient conditions	type of assignment	2
reference code according to IEC 81346-2:2019       Q         Substance Prohibitance (Date)       03/01/2017         Ambient conditions	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
Substance Prohibitance (Date)       03/01/2017         Ambient conditions       ambient temperature         ambient temperature       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         • during transport       -50 +80 °C         • during transport       -20 +60 °C         • during transport       -20 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         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       4.5 6.3 A         operating voltage • rated value       690 V	certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
Ambient conditions         ambient temperature         • during operation         • during storage         • during storage         • during transport         • de	reference code according to IEC 81346-2:2019	Q
ambient temperature       -20 +60 °C         • 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       10 95 %         mumber of poles for main current circuit       3         design of the switching contact       electromechanical         adjustable current response value current of the current- dependent overload release       4.5 6.3 A         operating voltage • rated value       690 V	Substance Prohibitance (Date)	03/01/2017
• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °C• temperature compensation-20 +60 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release4.5 6.3 Aoperating voltage • rated value690 V	Ambient conditions	
• during storage-50 +80 °C• during transport-50 +80 °C• during transport-50 +80 °Ctemperature compensation-20 +60 °Crelative humidity during operation10 95 %valar circuit3number of poles for main current circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release4.5 6.3 Aoperating voltage • rated value690 V	ambient temperature	
• during transport-50 +80 °Ctemperature compensation-20 +60 °Crelative humidity during operation10 95 %Main circuit3Mumber of poles for main current circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release4.5 6.3 Aoperating voltage • rated value690 V	<ul> <li>during operation</li> </ul>	-20 +60 °C
temperature compensation       -20 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         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       4.5 6.3 A         operating voltage       690 V	<ul> <li>during storage</li> </ul>	-50 +80 °C
relative humidity during operation       10 95 %         Main circuit       3         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       4.5 6.3 A         operating voltage       690 V	<ul> <li>during transport</li> </ul>	-50 +80 °C
Main circuit       3         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       4.5 6.3 A         operating voltage       690 V	temperature compensation	-20 +60 °C
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       4.5 6.3 A         operating voltage <ul> <li>rated value</li> <li>690 V</li> </ul>	relative humidity during operation	10 95 %
design of the switching contact       electromechanical         adjustable current response value current of the current- dependent overload release       4.5 6.3 A         operating voltage <ul> <li>rated value</li> <li>690 V</li> </ul>	Main circuit	
adjustable current response value current of the current- dependent overload release       4.5 6.3 A         operating voltage       690 V	number of poles for main current circuit	3
dependent overload release         operating voltage           • rated value         690 V	design of the switching contact	electromechanical
rated value     690 V		4.5 6.3 A
	operating voltage	
• at AC-3 rated value maximum 690 V	rated value	690 V
	• at AC-3 rated value maximum	690 V

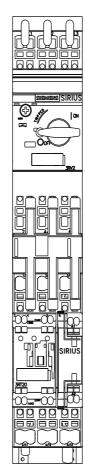
• at AC-3e rated value maximum	690 V			
operating frequency rated value	690 V 50 60 Hz			
operational current				
at AC-3 at 400 V rated value	6.3 A			
• at AC-3e at 400 V rated value	6.3 A			
operating power				
• at AC-3				
— at 400 V rated value	2 200 W			
• at AC-3e				
— at 400 V rated value	2 200 kW			
Control circuit/ Control				
type of voltage of the control supply voltage	AC			
control supply voltage at AC				
• at 50 Hz rated value	230 V			
• at 50 Hz rated value	230 230 V			
apparent holding power of magnet coil at AC	7.6 VA			
• at 50 Hz	7.6 VA			
inductive power factor with the holding power of the coil	0.25			
• at 50 Hz	0.25			
Auxiliary circuit				
product extension auxiliary switch	Yes			
Protective and monitoring functions				
trip class	CLASS 10			
design of the overload release	thermal (bimetallic)			
response value current of instantaneous short-circuit trip unit	82 A			
UL/CSA ratings				
full-load current (FLA) for 3-phase AC motor				
• at 480 V rated value	6.3 A			
• at 600 V rated value	6.3 A			
yielded mechanical performance [hp]				
<ul> <li>for single-phase AC motor</li> </ul>				
— at 110/120 V rated value	0.25 hp			
— at 230 V rated value	0.75 hp			
<ul> <li>for 3-phase AC motor</li> </ul>				
— at 200/208 V rated value	2 hp			
— at 220/230 V rated value	2 hp			
— at 460/480 V rated value	5 hp			
— at 575/600 V rated value	5 hp			
Short-circuit protection				
product function short circuit protection	Yes			
design of the short-circuit trip	magnetic			
conditional short-circuit current (Iq)				
• at 400 V according to IEC 60947-4-1 rated value	150 000 A			
Installation/ mounting/ dimensions				
mounting position	vertical			
fastening method	for snapping onto 60 mm busbar systems			
height	260 mm			
width	45 mm			
depth	165 mm			
required spacing				
for grounded parts     forwards	20			
— forwards	20 mm			
— backwards	0 mm			
— upwards	50 mm			
— at the side	20 mm			
— downwards	10 mm			
• for live parts	20 mm			
— forwards	20 mm			
— backwards	0 mm			
— upwards	50 mm			

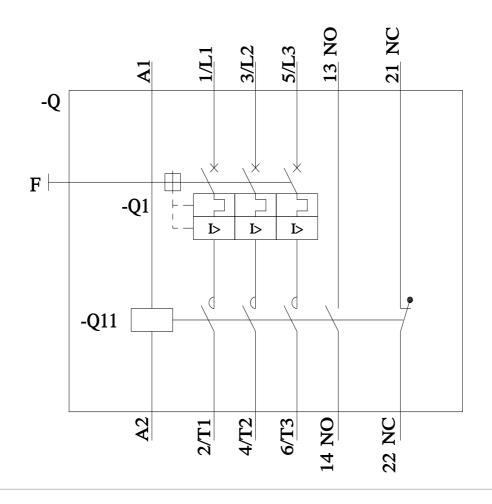
— downwards		10 mn	-					
— at the side		20 mn						
Connections/ Terminals		20 1111	1					
type of electrical connection		_						
for main current circuit		spring	-loaded terminals					
for auxiliary and control circuit			spring-loaded terminals spring-loaded terminals					
Safety related data		opning						
B10 value with high demand rate according to SN	1 31020	1 000	000					
proportion of dangerous failures	1 5 1 9 2 0	1 000						
with high demand rate according to SN 31	920	73 %						
touch protection on the front according to IEC			finger-safe, for vertical contact from the front					
Communication/ Protocol	00020	inigor						
protocol is supported		_						
PROFINET IO protocol		No						
PROFIsafe protocol		No						
protocol is supported AS-Interface protocol		No						
Certificates/ approvals								
			For use in hazard-	Dealarstian of Ocufor				
General Product Approval			ous locations	Declaration of Confor	mity			
Confirmation UL	Marine / Shipp	ing	K ATEX	UK CA	CE EG-Konf.			
		5						
<u>Type Test Certific-</u> <u>Special Test Certific-</u> ates/Test Report <u>ate</u>	ABS		BUREAU VERITAS	Lloyds Register urs	PRS			
Marine / Shipping			other	Railway	Environment			
	DNV-GL		Confirmation	Vibration and Shock	Environmental Con- firmations			
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/Cata		=3RA212	<u>20-1GH24-0AP0</u>					
Cax online generator http://support.automation.siemens.com/WW/CAX Service&Support (Manuals, Certificates, Char			n&mlfb=3RA2120-1GH2	<u>24-0AP0</u>				
https://support.industry.siemens.com/cs/ww/en/p	s/3RA2120-1GH24	<u>4-0AP0</u>						
Image database (product images, 2D dimension http://www.automation.siemens.com/bilddb/cax_com/bilddb/cax	de.aspx?mlfb=3RA	2120-10		is, EPLAN macros,)				
https://support.industry.siemens.com/cs/ww/en/p	s/3RA2120-1GH24	4-0AP0/0						
http://www.automation.siemens.com/bilddb/cax_c Characteristic: Tripping characteristics, I <sup>2</sup> t, Le	de.aspx?mlfb=3RA et-through curren s/3RA2120-1GH24	<u>12120-10</u> t 4-0AP0/0	<u>3H24-0AP0⟨=en</u> <u>char</u>					

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-1GH24-0AP0&objecttype=14&gridview=view1









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