## 3RA2220-1BD23-0AK6

**Data sheet** 



Fuseless motor starter Reversing operation 600VAC Size S0 1.4-2A 110/120VAC 50/60HZ screw connection For snapping onto 60 mm busbar systems Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (per contactor)

design of the product   reversing starter	product brand name	SIRIUS
manufacturer's article number  of the supplied contactor of the supplied contactor of the supplied RS assembly kit of the supplied Dusbar adapter of the supplied busbar adapter of the supplied busbar adapter of the supplied link module SRA2923-1DB1  asize of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of load feeder product extension auxillary switch resultation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance acc. to IEC 60088-2-27 gg /11 ms mechanical service life (switching cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date) Ambient conditions  ambient temperature during operation ambient temperature during storage ambient temperature during storage ambient temperature during transport solutions  ambient temperature during transport solutions  ambient temperature struction adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value operating voltage at AC-3 rated value operating voltage at AC-3 rated value operating voltage at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operating operation at 400 V rated value operating voltage value operating	product designation	non-fused motor starter 3RA2
of the supplied contactor     of the supplied circuit-breakers     of the supplied RS assembly kit     of the supplied Ink module     of the supplied busbar adapter     of the supplied busbar adapter     of the supplied busbar adapter     of the supplied link module     3RA2921-1AA00    Soneral technical data	design of the product	reversing starter
of the supplied circuit-breakers     of the supplied RS assembly kit     of the supplied busbar adapter     of the supplied link module     gRA2921-1AA00  General technical data size of the circuit-breaker     size of load feeder     S0     product extension auxiliary switch     yes     insulation voltage with degree of pollution 3 at AC rated     value  degree of pollution     surge voltage resistance rated value     shock resistance acc. to IEC 60068-2-27     mechanical service life (switching cycles) of contactor     typocal     type of assignment     2     Substance Prohibitance (Date)     Ambient conditions      • ambient temperature during operation     • ambient temperature during storage     • ambient temperature during transport     very and temperature during transport     very and temperature during transport     very and temperature during deletion     adesign of the switching contact     adjustable current response value current of the     current-dependent overload release     operating voltage at AC-3 rated value     operating voltage at AC-3 at 400 V rated value     operational current at AC-3 at 400 V rated value     operational current at AC-3 at 400 V rated value     operational current value     operational current value     operating voltage value     veloperating voltage value value     operating voltage value     valu	manufacturer's article number	
of the supplied RS assembly kit     of the supplied busbar adapter     of the supplied link module     of the supplied link module     3RA2921-1AA00  General technical data size of the circuit-breaker     size of load feeder     product extension auxiliary switch     insulation voltage with degree of pollution 3 at AC rated     value  degree of pollution     surge voltage resistance rated value     shock resistance acc. to IEC 60068-2-27     mechanical service life (switching cycles) of contactor     type of assignment     2 Substance Prohibitance (Date)     Ambient temperature during operation     ambient temperature during storage     ambient temperature during storage     ambient temperature during transport  design of the switching contact     adjustable current response value current of the current-dependent overload release     operating voltage at AC-3 rated value     operating power at AC-3     o at 400 V rated value     operating power at AC-3     o at 400 V rated value     operating power at AC-3     o at 400 V rated value     operating power at AC-3     o at 400 V rated value     750 W	<ul> <li>of the supplied contactor</li> </ul>	3RT2023-1AK60
of the supplied busbar adapter of the supplied link module 3RA2921-1AA00  General technical data size of the circuit-breaker size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value shock resistance acc. to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 substance Prohibitance (Date) 0-1.03.2017 00:00:00  Ambient conditions   ambient temperature during operation -20 +60 °C -3 ambient temperature during storage -50 +80 °C  ambient temperature during transport -55 +80 °C  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage rated value operating power at AC-3 at 400 V rated value operation power at AC-3 at 400 V rated value 750 W	<ul> <li>of the supplied circuit-breakers</li> </ul>	3RV2011-1BA10
of the supplied link module     Son     size of the circuit-breaker     size of load feeder     product extension auxiliary switch     yes     insulation voltage with degree of pollution 3 at AC rated     value     degree of pollution     3     surge voltage resistance rated value     shock resistance acc. to IEC 60068-2-27     mechanical service life (switching cycles) of contactor     typical     type of assignment     2     substance Prohibitance (Date)     Ambient temperature during operation     ambient temperature during storage     ambient temperature during transport     -55 +80 °C      ambient temperature during transport     design of the switching contact     adjustable current response value current of the     current-dependent overload release     operating voltage at AC-3 rated value     operating power at AC-3	<ul> <li>of the supplied RS assembly kit</li> </ul>	3RA2923-1DB1
Size of the circuit-breaker   S00	<ul> <li>of the supplied busbar adapter</li> </ul>	8US1251-5NT10
size of the circuit-breaker  size of load feeder  product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value  degree of pollution  surge voltage resistance rated value shock resistance acc. to IEC 60068-2-27 6g / 11 ms  mechanical service life (switching cycles) of contactor typical  type of assignment 2 Substance Prohibitance (Date)  Ambient conditions  • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport  • abs °C  Main circuit  number of poles for main current circuit adsign of the switching contact electromechanical adjustable current response value current of the current-dependent overload release  • operating voltage rated value • operating voltage at AC-3 rated value maximum  operating power at AC-3 • at 400 V rated value  750 W	<ul> <li>of the supplied link module</li> </ul>	3RA2921-1AA00
size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance acc. to IEC 60068-2-27 6g / 11 ms mechanical service life (switching cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date)  Ambient conditions  • ambient temperature during operation • ambient temperature during storage • ambient temperature during storage • ambient temperature during transport  -55 +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 at AC-3 rated value • operating voltage at AC-3 rated value operating power at AC-3 • at 400 V rated value  • at 400 V rated value  750 W	General technical data	
product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value  degree of pollution  surge voltage resistance rated value shock resistance acc. to IEC 60068-2-27 feet and surge voltage resistance acc. to IEC 60068-2-27 feet and surge voltage resistance acc. to IEC 60068-2-27 feet and surge voltage resistance acc. to IEC 60068-2-27 feet and surge voltage resistance acc. to IEC 60068-2-27 feet and surge voltage acc. to IEC 60068-2-27 feet acc. to IEC 60068-2-20 feet acc. to IEC 60069-2 feet acc. to IEC 60069-2 feet acc. to IEC 60009-2 feet acc. to IEC 60009-2 feet acc. to IEC 600	size of the circuit-breaker	S00
insulation voltage with degree of pollution 3 at AC rated value  degree of pollution  surge voltage resistance rated value shock resistance acc. to IEC 60068-2-27 6g / 11 ms mechanical service life (switching cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date)  Ambient conditions  • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport  • ambient temperature during transport  -55 +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 • operating voltage at AC-3 rated value maximum operating power at AC-3 • at 400 V rated value  • at 400 V rated value  750 W	size of load feeder	S0
degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance acc. to IEC 60068-2-27 6g / 11 ms mechanical service life (switching cycles) of contactor typical 10 000 000 type of assignment 2 Substance Prohibitance (Date) 01.03.2017 00:00:00  Ambient conditions  • ambient temperature during operation -20 +60 °C • ambient temperature during storage -50 +80 °C • ambient temperature during transport -55 +80 °C  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 at AC-3 rated value maximum 690 V operating frequency rated value operational current at AC-3 at 400 V rated value 1.9 A operating power at AC-3 • at 400 V rated value 750 W	product extension auxiliary switch	Yes
surge voltage resistance rated value shock resistance acc. to IEC 60068-2-27 feg / 11 ms mechanical service life (switching cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date) 01.03.2017 00:00:00  Ambient conditions  • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport  • ambient temperature during transport  -55 +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 • operating frequency rated value operating frequency rated value operating power at AC-3 • at 400 V rated value  750 W	The second secon	690 V
shock resistance acc. to IEC 60068-2-27  mechanical service life (switching cycles) of contactor typical  type of assignment  Substance Prohibitance (Date)  Ambient conditions  • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport  • ambient temperature during transport  -50 +80 °C  • ambient temperature during transport  -55 +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 • operating voltage at AC-3 rated value maximum  operating frequency rated value  operating power at AC-3 • at 400 V rated value  750 W	degree of pollution	3
mechanical service life (switching cycles) of contactor typical  type of assignment  Substance Prohibitance (Date)  Ambient conditions  • ambient temperature during operation • ambient temperature during storage • ambient temperature during storage • ambient temperature during transport  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 • operating voltage at AC-3 rated value maximum  operating frequency rated value  operating power at AC-3 • at 400 V rated value  750 W	surge voltage resistance rated value	6 kV
type of assignment  Substance Prohibitance (Date)  Ambient conditions  • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport  • ambient temperature during transport  • ambient temperature during transport  • 50 +80 °C  • ambient temperature during transport   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 • operating voltage at AC-3 rated value maximum  operating frequency rated value  operating frequency rated value  operating power at AC-3  • at 400 V rated value  750 W	shock resistance acc. to IEC 60068-2-27	6g / 11 ms
Substance Prohibitance (Date)  Ambient conditions  • ambient temperature during operation • ambient temperature during storage • ambient temperature during storage • ambient temperature during transport  • ambient temperature during transport  -55 +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 • operating voltage at AC-3 rated value maximum  operating frequency rated value  operating lournent at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  750 W	```	10 000 000
ambient temperature during operation     ambient temperature during storage     ambient temperature during storage     ambient temperature during transport      ambient temperature during storage     -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     operating voltage rated value     operating voltage at AC-3 rated value maximum      690 V      operating frequency rated value     50 60 Hz      operating power at AC-3     operating power at AC-3     operating voltage value      750 W	type of assignment	2
<ul> <li>ambient temperature during operation</li> <li>ambient temperature during storage</li> <li>50 +80 °C</li> <li>ambient temperature during transport</li> <li>55 +80 °C</li> </ul> Main circuit number of poles for main current circuit <ul> <li>design of the switching contact</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage rated value</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operational current at AC-3 at 400 V rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>750 W</li> </ul>	Substance Prohibitance (Date)	01.03.2017 00:00:00
ambient temperature during storage     ambient temperature during transport      -55 +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  operating voltage at AC-3 rated value maximum  operating frequency rated value  operating power at AC-3 at 400 V rated value  at 400 V rated value  750 W	Ambient conditions	
<ul> <li>ambient temperature during storage</li> <li>ambient temperature during transport</li> <li>-55 +80 °C</li> </ul> Main circuit <ul> <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 rated value</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operational current at AC-3 at 400 V rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>750 W</li> </ul>	<ul> <li>ambient temperature during operation</li> </ul>	-20 +60 °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 operating voltage at AC-3 rated value maximum operating frequency rated value operating lcurrent at AC-3 at 400 V rated value operating power at AC-3  operating power at AC-3  operating voltage at AC-3  operating power at AC-3  operating power at AC-3  operating voltage at AC-3  operating power at AC-3  operating power at AC-3  operating voltage at AC-3  operating power at AC-3  operating power at AC-3  operating voltage at AC-3  operating power at AC-3  operating power at AC-3  operating voltage at AC-3  operating power at AC-3  operating power at AC-3	ambient temperature during storage	-50 +80 °C
number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current-dependent overload release  operating voltage rated value  operating voltage at AC-3 rated value maximum  operating frequency rated value  operating lourrent at AC-3 at 400 V rated value  operating power at AC-3  operating power at AC-3  operating voltage at AC-3  operating power at AC-3  operating power at AC-3  operating power at AC-3  operating voltage at AC-3  operating power at AC-3	ambient temperature during transport	-55 +80 °C
design of the switching contact adjustable current response value current of the current-dependent overload release  • operating voltage rated value • operating voltage at AC-3 rated value maximum 690 V  operating frequency rated value 50 60 Hz  operating power at AC-3 at 400 V rated value 1.9 A  operating power at AC-3 • at 400 V rated value 750 W	Main circuit	
adjustable current response value current of the current-dependent overload release  • operating voltage rated value • operating voltage at AC-3 rated value maximum 690 V  operating frequency rated value 50 60 Hz  operational current at AC-3 at 400 V rated value 1.9 A  operating power at AC-3 • at 400 V rated value 750 W	number of poles for main current circuit	3
<ul> <li>operating voltage rated value</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operating at AC-3 at 400 V rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>750 W</li> </ul>	design of the switching contact	electromechanical
<ul> <li>operating voltage at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operational current at AC-3 at 400 V rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>750 W</li> </ul>		1.4 2 A
operating frequency rated value 50 60 Hz operational current at AC-3 at 400 V rated value 1.9 A operating power at AC-3  ● at 400 V rated value 750 W	operating voltage rated value	690 V
operating frequency rated value 50 60 Hz operational current at AC-3 at 400 V rated value 1.9 A operating power at AC-3  ● at 400 V rated value 750 W	operating voltage at AC-3 rated value maximum	690 V
operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  750 W		50 60 Hz
• at 400 V rated value 750 W		1.9 A
	operating power at AC-3	
• at 500 V rated value 750 W	• at 400 V rated value	750 W
	• at 500 V rated value	750 W

at 690 V rated value	1 100 W
Control circuit/ Control	1100 W
control supply voltage at AC  • at 50 Hz rated value	110 V
at 50 Hz rated value     at 50 Hz rated value	88 121 V
at 60 Hz rated value	120 V
at 60 Hz rated value	96 132 V
apparent holding power of magnet coil at AC	7.2 V·A
inductive power factor with the holding power of the coil	0.28
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	2
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip	26 A
unit	20 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
<ul> <li>at 480 V rated value</li> </ul>	1.63 A
<ul> <li>at 600 V rated value</li> </ul>	1.72 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 230 V rated value	0.13 hp
• for 3-phase AC motor	
— at 460/480 V rated value	0.75 hp
— at 575/600 V rated value	1 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
<ul> <li>at 400 V acc. to IEC 60947-4-1 rated value</li> </ul>	153 000 A
	153 000 A
Installation/ mounting/ dimensions	
Installation/ mounting/ dimensions mounting position	vertical
Installation/ mounting/ dimensions mounting position fastening method	vertical for snapping onto 60 mm busbar systems
Installation/ mounting/ dimensions mounting position fastening method height	vertical for snapping onto 60 mm busbar systems 260 mm
Installation/ mounting/ dimensions mounting position fastening method height width	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm
Installation/ mounting/ dimensions  mounting position fastening method height width depth	vertical for snapping onto 60 mm busbar systems 260 mm
Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm
Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing • for grounded parts	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm
Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing • for grounded parts — forwards	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm
Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  • for grounded parts — forwards — backwards	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing  • for grounded parts — forwards — backwards — upwards	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing  • for grounded parts — forwards — backwards — upwards — at the side	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm
Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm
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 for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm
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	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm
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 for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm
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  — upwards  — at the side  — downwards  • for live parts  — forwards  — backwards  — upwards	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm
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  — backwards  — upwards  — backwards  — upwards  — downwards	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm 10 mm
Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing  • for grounded parts  — forwards  — backwards  — upwards  — at the side  — downwards  • for live parts  — backwards  — backwards  — downwards  • at the side  — downwards  — at the side  — downwards  — backwards  — backwards  — at the side  — downwards  — at the side	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm
Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing  • for grounded parts  — forwards  — backwards  — upwards  — at the side  — downwards  • for live parts  — forwards  — backwards  — upwards  - at the side  — downwards  - at the side  — downwards  — backwards  — backwards  — upwards  — at the side  Connections/ Terminals	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm 10 mm 9 mm 10 mm 9 mm 10 mm 9 mm 9 mm 9 mm 9 mm
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  — backwards  — upwards  — torwards  — at the side  Connections/ Terminals  type of electrical connection for main current circuit	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm 10 mm
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  — a the side  — downwards  — torwards  — backwards  — a the side  — connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm 0 mm 30 mm 9 mm 10 mm screw-type terminals
mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — a the side — downwards • for live parts — forwards — backwards — a the side — downwards	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm 0 mm 30 mm 9 mm 10 mm 5 mm 10 mm 5 mm 10 mm 5 mm 10 mm
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  — backwards  — at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections	vertical for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm  10 mm 0 mm 30 mm 9 mm 10 mm 10 mm 0 mm 30 mm 9 mm 10 mm screw-type terminals

contacts finely str	anded with core end pr	ocessing			
Safety related data					
B10 value with high demand rate acc. to SN 31920		1 000 000			
proportion of dangerous failures with high demand rate acc. to SN 31920		73 %			
protection class IP on the front acc. to IEC 60529		IP20	IP20		
touch protection on the front acc. to IEC 60529		finger-safe, for vertical contact from the front			
Certificates/ approvals					
General Product Approval	For use in hazardous locations	Declaration of Conformity	of	other	







Confirmation

## Further information

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=3RA2220-1BD23-0AK6

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2220-1BD23-0AK6}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1BD23-0AK6

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

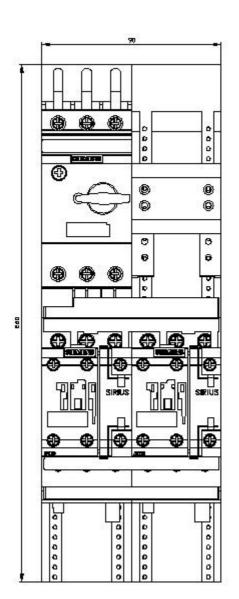
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2220-1BD23-0AK6&lang=en

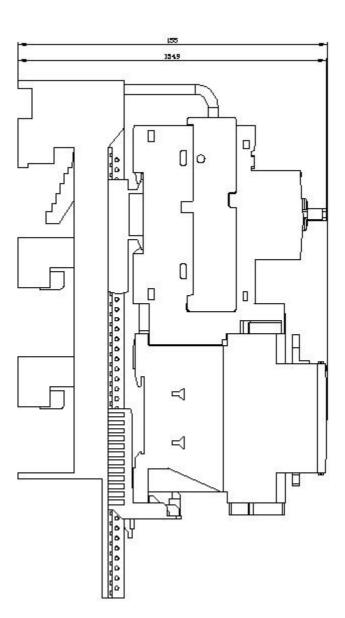
Characteristic: Tripping characteristics, I2t, Let-through current

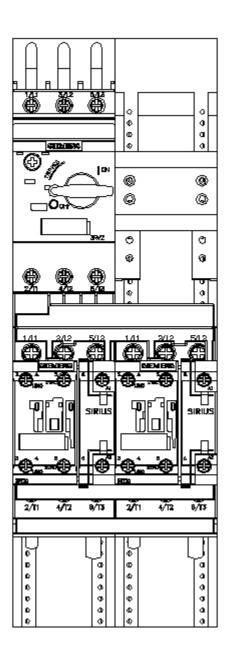
https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1BD23-0AK6/char

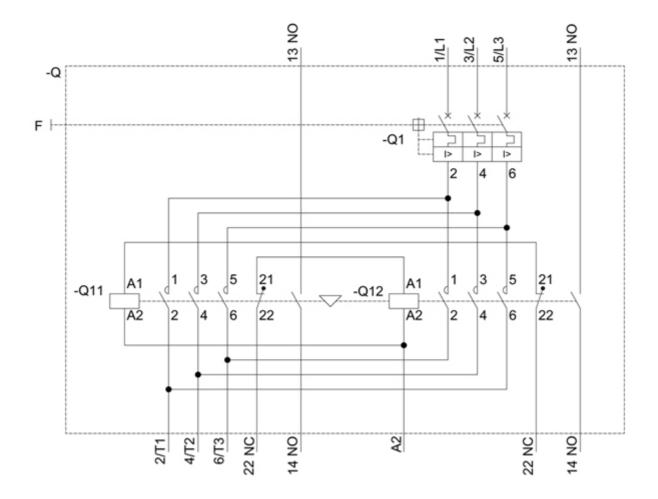
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2220-1BD23-0AK6&objecttype=14&gridview=view1









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