3RA2210-0KH15-2AP0

Data sheet



Load feeder fuseless, Reversing duty 400 V AC, Size S0 0.90...1.25 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 NC (contactor)

product brand name	SIRIUS
product designation	Reversing starter
design of the product	for 60 mm busbars
product type designation	3RA22
manufacturer's article number	
 of the supplied contactor 	3RT2015-2AP02
 of the supplied circuit-breakers 	3RV2011-0KA20
 of the supplied RS assembly kit 	<u>8US1250-5AT10</u>
 of the supplied busbar adapter 	<u>8US1251-5DT11</u>
 of the supplied link module 	3RA2911-2AA00
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
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 (switching cycles) of contactor typical	30 000 000
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
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
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	0.9 1.25 A
operating voltage	
rated value	690 V

A 4-C-3 rated value maximum 680 V properation for uncert at AC-3 at 400 V rated value 50 60 Hz poperational current at AC-3 at 400 V rated value 370 W 37		200.1/
operations current at AC-3 at 400 V rated value operating power at AC-3		
operating power at AC-3 at 400 V rade value 20ntrol silpreturi Control Type of Vottage of the control supply voltage AC at 50 Hz raded value at 50 Hz raded value at 60 Hz raded value 230 230 V apparent holding power of magnet coll at AC Auxiliary current product extension auxiliary switch Yes Protective and monitoring functions trip class design of the overload release UniUnGSA rating full-load current (FLA) for 3-phase AC motor at 480 V raded value 1,25 A yielded mechanical performance (hp) of 3-phase AC motor - at 460-408 0 V raded value - at 575-600 V raded value - at 575-600 V raded value - at 575-600 V raded value - at 60-408 0 V raded value - at 675-600 V raded value - at 675-600 V raded value - at 675-600 V raded value - at 60-408 0 V raded value - at 60-408 0 V raded value - at 675-600 V raded value - at 75-600 V raded value - backwards - backwards - upwards - upwards - upwards - upwards - upwards -		
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- downwards - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 10 mm 10 mm Spring-loaded terminals spring-loaded terminals 10 mm 10	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	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm
- at the side Connections/ Terminals type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded 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	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 type of electrical connection spring-loaded terminals spring-loaded terminals 1 000 000 1 000 000 73 % finger-safe, for vertical contact from the front	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 • tor live parts — forwards — backwards — upwards — upwards	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 0 mm
type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded 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	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 — downwards — downwards — backwards — backwards — backwards — backwards — downwards	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm
 for main current circuit for auxiliary and control circuit spring-loaded terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front 	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 — at the side — downwards - at the side — downwards — forwards — backwards — backwards — upwards — at the side	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm
● for auxiliary and control circuit spring-loaded 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	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 — at the side — downwards — torwards — backwards — backwards — backwards — backwards — at the side Connections/ Terminals	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm
Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	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 • for live parts — forwards — backwards — backwards — at the side Connections/ Terminals type of electrical connection	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 0 mm 50 mm 10 mm 10 mm
B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 1 000 000 73 % finger-safe, for vertical contact from the front	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 Connections/ Terminals type of electrical connection • for main current circuit	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 50 mm 10 mm 50 mm 50 mm
proportion of dangerous failures ● with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 73 % finger-safe, for vertical contact from the front	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 Connections/ Terminals type of electrical connection • for main current circuit	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 50 mm 10 mm 50 mm 50 mm
• 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	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 — backwards — upwards — torwards — tormards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 50 mm 10 mm 50 mm 50 mm
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	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 Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm 10 mm spring-loaded terminals spring-loaded terminals
	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 Connections/ Terminals type of electrical connection • for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 5
Communication/ Protocol	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm 50 mm 50 mm 10 mm 50 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 — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to SN 31920	for snapping onto 60 mm busbar systems 260 mm 90 mm 155 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm 50 mm 10 mm 50 mm 10 mm 10 mm 10 mm 10 mm 10 mm

protocol is supported • PROFINET IO protocol • PROFIsafe protocol • PROFIsafe protocol No protocol is supported AS-Interface protocol No

Certificates/ approvals

General Product Approval

For use in hazardous locations **Declaration of Conformity**



Confirmation



EAC





Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other Railway









Confirmation

Vibration and Shock

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=3RA2210-0KH15-2AP0

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2210-0KH15-2AP0}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0KH15-2AP0

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0KH15-2AP0\&lang=en}}$

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0KH15-2AP0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0KH15-2AP0&objecttype=14&gridview=view1

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