3RA2210-0GD15-2AK6

## **Data sheet**



FUSELESS LOAD FEEDER REVERSING OPERATION, 400 V AC, S00 0.45 TO 0.63 A 3 KW, 110/120 V AC 50/60 HZ SCREW TERMINAL FOR 60 MM BUSBAR SYSTEMS TYPE OF COORDINATION 2, IQ = 150 KA (ALSO FULFILLS TYPE OF COORDINATION 1) 1NC (CONTACTOR)

product designation design of the product manufacturer's article number  of the supplied contactor of the supplied circuit-breakers of the supplied sassembly kit of the supplied busbar adapter of the supplied link module street 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 according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment Substance Prohibitance (Date) Ambient conditions ambient temperature olduring storage olduring storage olduring transport  Also in the surge voltage 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 each value each calculate and surger of poles for main current of the current-dependent overload release operating voltage each calculate and surger calculate and surger voltage and surger of poles for main current of the current-dependent overload release operating voltage each calculate and surger calculate and surger of poles for main current of the current-dependent overload release operating frequency rated value  50 60 Hz	product brand name	SIRIUS		
manufacturer's article number  of the supplied contactor of the supplied circuit-breakers of the supplied RS assembly kit of the supplied link module stream to the circuit-breaker stream to the substream to the circuit-breaker	product designation	non-fused load feeders 3RA2		
of the supplied contactor     of the supplied circuit-breakers     of the supplied RS assembly kit     of the supplied RS assembly kit     of the supplied Dusbar adapter     of the supplied busbar adapter     of the supplied link module     aRA1921-1DA00    Senaral 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     of the supplied link module     of the supplied link module     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 according to IEC 60068-2-27     mechanical service life (switching cycles) of contactor typical     type of assignment     2 Substance Prohibitance (Date)     Ambient conditions     ambient temperature     ouring operation     ouring storage     ouring storage     ouring storage     ouring transport     ouring storage     ouring transport     ouring design of the switching contact     adjustable current response value current of the current-dependent overload release     operating voltage	manufacturer's article number			
of the supplied RS assembly kit     of the supplied bushar adapter     of the supplied link module     of the supplied link module     defensal technical data     size of the circuit-breaker     size of load feeder     soo     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 according to IEC 60068-2-27     mechanical service life (switching cycles) of contactor typical     type of assignment     Substance Prohibitance (Date)  Ambient conditions  ambient temperature     of during operation     of during storage     of during transport  number of poles for main current circuit     adjustable current response value current of the current-dependent overload release     operating voltage	<ul> <li>of the supplied contactor</li> </ul>	3RT2015-1AK62		
of the supplied busbar adapter     of the supplied link module     3RA1921-1DA00  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 according to IEC 60068-2-27	<ul> <li>of the supplied circuit-breakers</li> </ul>	3RV2011-0GA10		
of the supplied link module     size of the circuit-breaker	<ul> <li>of the supplied RS assembly kit</li> </ul>	<u>8US1250-5AS10</u>		
size of the circuit-breaker S00 size of load feeder S00 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 6 kV 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 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 Main circuit number of poles for main current circuit 3 design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage rated value 690 V operating frequency rated value 50 60 Hz	<ul> <li>of the supplied busbar adapter</li> </ul>	<u>8US1251-5DS10</u>		
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 according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical  type of assignment  2 Substance Prohibitance (Date)  Ambient conditions  ambient temperature  during operation during storage during transport  -20 +60 °C during transport  -50 +80 °C  during transport  -50 +80 °C  design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage e rated value e at AC-3 rated value  operating frequency rated value  50 60 Hz	<ul> <li>of the supplied link module</li> </ul>	3RA1921-1DA00		
size of load feeder product extension auxiliary switch product extension auxiliary swi	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 according 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 • during storage • during transport  -20 +60 °C -50 +80 °C  • 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 • at AC-3 rated value maximum operating frequency rated value  50 60 Hz	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 according to IEC 60068-2-27  feg / 11 ms  mechanical service life (switching cycles) of contactor typical  type of assignment  2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  ouring operation  during storage  during transport  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  orated value  at AC-3 rated value maximum  690 V  operating frequency rated value  50 60 Hz	size of load feeder	S00		
degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 feg / 11 ms mechanical service life (switching cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date) 10/01/2009  Ambient conditions ambient temperature • during operation • during storage • during transport  number of poles for main current circuit adjustable current response value current of the current-dependent overload release • rated value • rated value • at AC-3 rated value maximum  og 000 000  10/01/2009  10	product extension auxiliary switch	Yes		
surge voltage resistance rated value shock resistance according to IEC 60068-2-27 feg / 11 ms mechanical service life (switching cycles) of contactor typical  type of assignment 2 Substance Prohibitance (Date)  Ambient conditions  ambient temperature • during operation • during storage • during transport  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum  690 V operating frequency rated value  50 60 Hz		690 V		
shock resistance according to IEC 60068-2-27  mechanical service life (switching cycles) of contactor typical  type of assignment  2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation  • during storage  • during transport  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  operating frequency rated value  50 60 Hz	degree of pollution	3		
mechanical service life (switching cycles) of contactor typical  type of assignment  2 Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage • during transport  Ambient 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  publications  30 000 000  2  10/01/2009  2  10/01/2009  2  10/01/2009  -20 +60 °C  -50 +80 °C  -50 +80 °C  3  40 electromechanical  0.45 0.63 A  690 V  690 V  operating frequency rated value  50 60 Hz	surge voltage resistance rated value	6 kV		
type of assignment  2 Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage • during transport  Ambient conditions  ambient temperature  • during operation • -20 +60 °C • 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 • at AC-3 rated value maximum  operating frequency rated value  50 60 Hz	shock resistance according to IEC 60068-2-27	6g / 11 ms		
Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage • during transport  • during transport  -50 +80 °C  • during transport  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  output  10/01/2009  10/01/2009  -20 +60 °C  -20 +80 °C  -20		30 000 000		
Ambient conditions  ambient temperature  • during operation • during storage • during transport  -50 +80 °C  • 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  output  -20 +60 °C  -50 +80 °C   8  electromechanical  0.45 0.63 A  0.45 0.63 A	type of assignment	2		
ambient temperature  • during operation  • during storage  • during transport  -50 +80 °C  • 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  operating frequency rated value  50 60 Hz	Substance Prohibitance (Date)	10/01/2009		
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>50 +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</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> </ul>	Ambient conditions			
<ul> <li>during storage</li> <li>during transport</li> <li>50 +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</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> </ul>	ambient temperature			
<ul> <li>during transport</li> <li>-50 +80 °C</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         <ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> </ul> </li> <li>operating frequency rated value</li> <li>50 60 Hz</li> </ul>	<ul> <li>during operation</li> </ul>	-20 +60 °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     0.45 0.63 A       operating voltage     690 V       • rated value     690 V       • at AC-3 rated value maximum     690 V       operating frequency rated value     50 60 Hz	<ul> <li>during storage</li> </ul>	-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  • at AC-3 rated value maximum  operating frequency rated value  50 60 Hz	<ul> <li>during transport</li> </ul>	-50 +80 °C		
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  operating frequency rated value  electromechanical  0.45 0.63 A  0.45 0.63 A  690 V  690 V  690 V  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  operating frequency rated value  50 60 Hz	number of poles for main current circuit	3		
current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  50 60 Hz	design of the switching contact	electromechanical		
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> </ul>		0.45 0.63 A		
• at AC-3 rated value maximum 690 V  operating frequency rated value 50 60 Hz	operating voltage			
operating frequency rated value 50 60 Hz	• rated value	690 V		
1 0 1 7	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 0.6 A	operational current at AC-3 at 400 V rated value	0.6 A		
operating power at AC-3	operating power at AC-3			
• at 400 V rated value 180 W	<ul> <li>at 400 V rated value</li> </ul>	180 W		
• at 500 V rated value 180 W	<ul><li>at 500 V rated value</li></ul>	180 W		

• at 690 V rated value	250 W		
Control circuit/ Control			
control supply voltage at AC			
• at 50 Hz rated value	110 V		
at 60 Hz rated value	120 V		
apparent holding power of magnet coil at AC	4.2 VA		
	4.2 VA		
Protective and monitoring functions	01 400 40		
trip class	CLASS 10		
design of the overload release	thermal (bimetallic)		
response value current of instantaneous short-circuit trip unit	8.19 A		
Short-circuit protection			
product function short circuit protection	Yes		
design of the short-circuit trip	magnetic		
conditional short-circuit current (Iq)			
<ul> <li>at 690 V according to IEC 60947-4-1 rated value</li> </ul>	100 000 A		
• at 400 V according to IEC 60947-4-1 rated value	153 000 A		
• at 500 V according to IEC 60947-4-1 rated value	100 000 A		
Installation/ mounting/ dimensions			
mounting position	vertical		
fastening method	for snapping onto 60 mm bu	sbar systems	
height	200 mm	•	
width	90 mm		
depth	155.1 mm		
required spacing			
for grounded parts			
— forwards	0 mm		
— backwards	0 mm		
— upwards	20 mm		
— at the side	9 mm		
— downwards	10 mm		
• for live parts			
— forwards	0 mm		
— backwards	0 mm		
— upwards	20 mm		
— downwards	10 mm		
— at the side	9 mm		
Connections/ Terminals	O IIIII		
type of electrical connection for main current circuit	screw-type terminals		
type of connectable conductor cross-sections	Sciew-type terrilliais		
for main contacts stranded	0.5 4 mm² 2v /0.75 0.5	( mm²)	
at AWG cables for main contacts	0.5 4 mm², 2x (0.75 2.5		
at AVVG caples for main contacts  connectable conductor cross-section for main contacts	2x (20 16), only for contact 0.5 2.5 mm <sup>2</sup>	201 2x (10 14), 2x 12	
finely stranded with core end processing	0.5 2.5		
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 %		
protection class IP on the front according to IEC 60529	IP20		
touch protection on the front according to IEC 60529	finger-safe, for vertical conta	act from the front	
Certificates/ approvals			
General Product Approval		For use in hazard- ous locations	Declaration of Conformity



Confirmation









**Declaration of** Conformity

**Test Certificates** 

Marine / Shipping



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

Type Test Certificates/Test Report







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=3RA2210-0GD15-2AK6

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2210-0GD15-2AK6}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0GD15-2AK6

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2210-0GD15-2AK6&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0GD15-2AK6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0GD15-2AK6&objecttype=14&gridview=view1

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