3RA2110-0KA15-1AK6

Data sheet



FUSELESS LOAD FEEDER DIRECT START, AC 400V, SZ. S00 0.9...1.25A, AC110/120V 50/60HZ SCREW TERMINAL FOR RAIL MOUNTING, TYPE OF ASSIGNMENT 2,IQ = 150KA (ALSO FULFILLS TYPE OF ASSIGNMENT 1) 1NO (CONTACTOR)

product designation design of the product design of the product anufacturer's article number of the supplied contactor of the supplied circuit-breakers of the supplied ink module size of the supplied link module size of the circuit-breakers size of the circuit-breakers size of the circuit-breakers size of the circuit-breaker size of the circuit-breaker size of toad feeder So product extension auxiliary switch risulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value 6kV shock resistance according to IEC 60068-2-27 gg /1 Ims mechanical service life (operating cycles) of contactor typical 1ype of assignment 2 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature during operation during storage during transport Main circuit number of poles for main current circuit design of the switching contact design of the switching contact experiantly voltage rated value rated value rated value rated value rated value resistance value current of the current-dependent overload release operating voltage rated value rated v	product brand name	SIRIUS
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size of load feeder product extension auxiliary switch 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 60088-2-27 mechanical service life (operating cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date) Ambient conditions ambient temperature during operation during storage 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 atade value atade value atade value atade value maximum 690 V operating frequency rated value operating power at AC-3 at 400 V rated value at 600 V rated value at 600 V rated value 550 W at 600 V rated value 750 W Control circuit/ Control control supply voltage at AC	General technical data	
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degree of pollution surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6 g/ 11 ms mechanical service life (operating cycles) of contactor typical 1 type of assignment 2 Substance Prohibitance (Date) 1 (0/01/2009 Ambient conditions ambient temperature 4 during operation 5 during storage 5 during transport 5 during transport 5 design of the switching contact 1 adjustable current response value current of the current-dependent overload release 0 operating voltage 1 at AC-3 rated value 0 operating frequency rated value 1 at 600 V rated value 2 operating power at AC-3 1 at 600 V rated value 3 370 W 1 at 500 V rated value 3 370 W 1 at 500 V rated value 5 50 W 2 at 600 V rated value 5 50 W 2 at 600 V rated value 5 50 W 5 at 600 V rated value 5 50 W 5 at 600 V rated value 5 50 W 5 at 600 V rated value 5 50 W 5 at 500 V rated value 5 50 W 5 at 600 V rated value 7 50 W 5 Control circuit/ Control control supply voltage at AC	product extension auxiliary switch	Yes
surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 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 operational current at AC-3 at 400 V rated value 1.1 A operating power at AC-3 • at 400 V rated value 550 W • at 500 V rated value 550 W control circuit/ Control control supply voltage at AC	insulation voltage with degree of pollution 3 at AC rated value	690 V
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during transport	during operation	-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 • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value 1.1 A operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 550 W • at 690 V rated value 750 W Control circuit/ Control control supply voltage at AC	during storage	-50 +80 °C
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operating frequency rated value operational current at AC-3 at 400 V rated value 1.1 A operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value Tool V rated value	rated value	690 V
operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value Tontrol circuit/ Control control supply voltage at AC	at AC-3 rated value maximum	690 V
operating power at AC-3 • at 400 V rated value 370 W • at 500 V rated value 550 W • at 690 V rated value 750 W Control circuit/ Control control supply voltage at AC	operating frequency rated value	50 60 Hz
at 400 V rated value at 500 V rated value at 690 V rated value rotrol circuit/ Control control supply voltage at AC	operational current at AC-3 at 400 V rated value	1.1 A
at 500 V rated value at 690 V rated value 750 W Control circuit/ Control control supply voltage at AC	operating power at AC-3	
at 690 V rated value 750 W Control circuit/ Control control supply voltage at AC	• at 400 V rated value	370 W
Control circuit/ Control control supply voltage at AC	at 500 V rated value	550 W
control supply voltage at AC	at 690 V rated value	750 W
	Control circuit/ Control	
• at 50 Hz rated value 110 V	control supply voltage at AC	
	at 50 Hz rated value	110 V

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at 60 Hz rated value	120 V
apparent holding power of magnet coil at AC	4.2 VA
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	16.25 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	1.19 A
at 600 V rated value	1.25 A
yielded mechanical performance [hp]	
 for 3-phase AC motor 	
— at 460/480 V rated value	0.5 hp
— at 575/600 V rated value	0.5 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
• at 690 V according to IEC 60947-4-1 rated value	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	screw and snap-on mounting onto 35 mm DIN rail
height	167.2 mm
width	45 mm
depth	97.1 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	
type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections for main contacts stranded	0.5 4 mm², 2x (0.75 2.5 mm²)
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 2.5 mm²
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 contact from the front
Certificates/ approvals	
General Product Approval	For use in hazard- ous locations Declaration of Conformity
Confirmation	

Confirmation











Special Test Certificate

ate

Type Test Certificates/Test Report









Marine / Shipping

other

Railway







Confirmation

Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2110-0KA15-1AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0KA15-1AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0KA15-1AK6

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

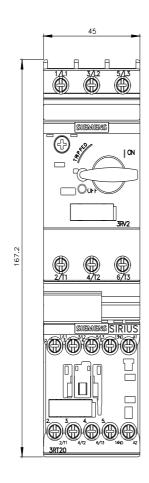
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0KA15-1AK6&lang=en

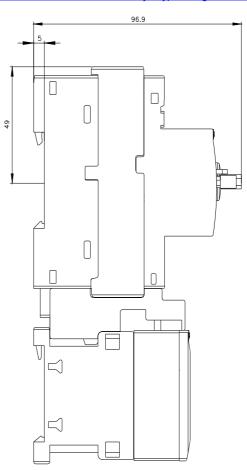
Characteristic: Tripping characteristics, I2t, Let-through current

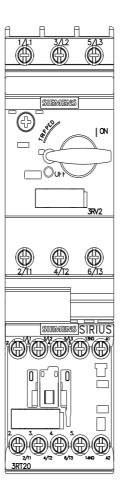
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0KA15-1AK6/char

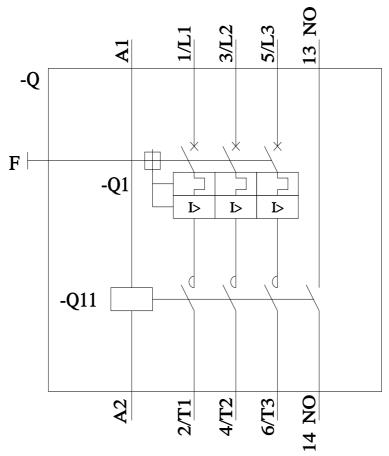
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0KA15-1AK6&objecttype=14&gridview=view1









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