3RA2110-0CA15-1AK6

Data sheet



FUSELESS LOAD FEEDER DIRECT START, AC 400V, SZ. S00 0.18...0.25A,AC110/120V 50/60HZ SCREW TERMINAL FOR RAIL MOUNTING, TYPE OF ASSIGNMENT 2,IQ = 150KA (ALSO FULFILLS TYPE OF ASSIGNMENT 1) 1NO (CONTACTOR)

product brand name	SIRIUS		
product designation	non-fused load feeders 3RA2		
design of the product	direct starter		
manufacturer's article number			
 of the supplied contactor 	3RT2015-1AK61		
 of the supplied circuit-breakers 	3RV2011-0CA10		
 of the supplied link module 	3RA1921-1DA00		
General technical data			
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	690 V		
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 (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	0.18 0.25 A		
operating voltage			
rated value	690 V		
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	0.2 A		
operating power at AC-3			
• at 400 V rated value	60 W		
• at 500 V rated value	90 W		
at 690 V rated value	90 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 V	4.2 VA			
Protective and monitoring functions	· · · · · · · · · · · · · · · · · · ·				
trip class	CLAS	CLASS 10			
design of the overload release	thermal (bimetallic)				
response value current of instantaneous short-circuit trip unit	3.25 A				
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 0	100 000 A			
 at 400 V according to IEC 60947-4-1 rated value 	153 0	153 000 A			
 at 500 V according to IEC 60947-4-1 rated value 	100 0	00 A			
Installation/ mounting/ dimensions					
mounting position	vertica	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	ıg				
 for grounded parts 					
— forwards	0 mm	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	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	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	1 000 000			
proportion of dangerous failures with high demand rate according to SN 31920	73 %	73 %			
protection class IP on the front according to IEC 60529	IP20	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		

Test Certificates

Confirmation

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









Marine / Shipping other Railway







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=3RA2110-0CA15-1AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0CA15-1AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0CA15-1AK6

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

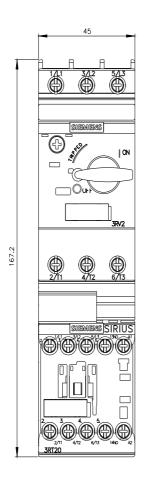
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0CA15-1AK6&lang=en

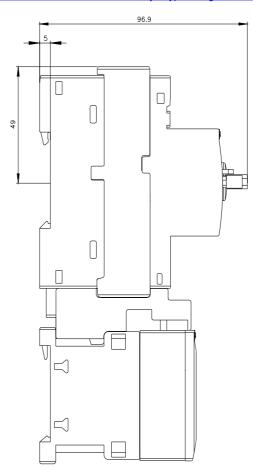
Characteristic: Tripping characteristics, I2t, Let-through current

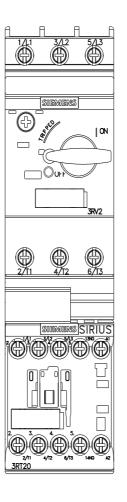
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0CA15-1AK6/char

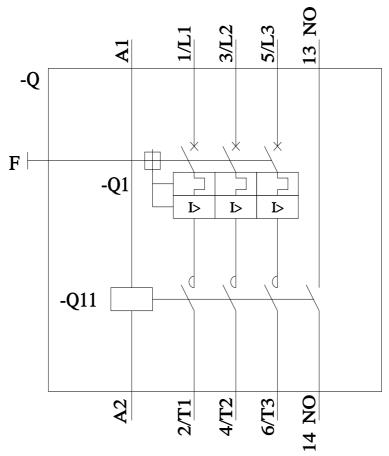
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0CA15-1AK6&objecttype=14&gridview=view1









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