SIEMENS

Product data sheet 3RA2110-0GE15-1BB4



LOAD FEEDER FUSELESS DIRECT START,
AC 400V, SZ S00 0.45. . . 0.63A,
DC 24V SPRING-LOADED CONNECTION FOR RAILMOUNTING,
TYPE OF COORDINATION 2,
IQ = 150KA (ALSO FULFILLS TYPE OF COORDINATION 1)
1NO (CONTACTOR)

General technical data:		
Product brand name		SIRIUS
product designation		non-fused load feeders 3RA2
Design of the product		direct starter
Size of the load feeder		S00
Protection class IP / on the front		IP20
Degree of pollution		3
Insulation voltage / rated value	V	690
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
during transport	°C	-55 80
during storage	°C	-55 80
during operating	°C	-20 60
Impulse voltage resistance / rated value	kV	6
Active power loss / per conductor / typical	W	2
Item designation		
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		Q
according to DIN EN 61346-2		Q
Type of assignement		2

Mechanical operating cycles as operating time / of the contactor		
• typical		10,000,000
Manufacturer article number		
• of the circuit-breakers included in the scope of supply		3RV2011-0GA20
 of the contactor included in the scope of supply 		3RT2015-2BB41
• of the link module included in the scope of supply		3RA2911-2AA00
Design of the switching contact		mechanical
Type of the motor protection		bimetal
Adjustable response current		
of the current-dependent overload release	Α	0.45 0.63
Communication:		
Product function / bus-communication		No
Protocol / will be supported		
AS interface protocol		No
PROFIBUS DP protocol		No
PROFINET protocol		No
Product extension / function module for communication		No
Main circuit:		
Number of poles / for main current circuit		3
Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		
		3
Operating voltage / at AC-3 / rated value / maximum	V	690
Operating voltage / at AC-3 / rated value / maximum Operating current	V	
	V	
Operating current	_	690
Operating current • at AC-1 / at 400 V / rated value	A	0.63
Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value	A A	0.63 0.6
Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value	A A A	0.63 0.6 0.6
Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value	A A A	0.63 0.6 0.6
Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value Service power	A A A	0.63 0.6 0.6 0.6
Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value Service power • at AC-2 / at 400 V / rated value	A A A	0.63 0.6 0.6 0.6
Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value Service power • at AC-2 / at 400 V / rated value • at AC-3	A A A W	0.63 0.6 0.6 0.6 180
Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value Service power • at AC-2 / at 400 V / rated value • at AC-3 • at 400 V / rated value	A A A W	6900.630.60.60.6180
Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value Service power • at AC-2 / at 400 V / rated value • at AC-3 • at 400 V / rated value • at 500 V / rated value	A A A W	690 0.63 0.6 0.6 0.6 180 180

Frequency of operation

• at AC-1 / according to IEC 60947-6-2 / maximum

• at AC-2 / according to IEC 60947-6-2 / maximum

1/h

1/h

1,000

750

250 DC 0 24 4 Yes 0 1 0
0 24 4 Yes 0 1
0 24 4 Yes 0 1
24 4 Yes 0
24 4 Yes 0
4 Yes 0 1
4 Yes 0 1
Yes 0 1
0 1
0 1
1
0
0
Yes
circuit-breakers
100,000
100,000
100,000
vertical
screw and snap-on mounting onto 35 mm standard mounting rail
45
197.6
97.1
0
0
20
30
0

• forwards	mm	0
• backwards	mm	0
• upwards	mm	20
• downwards	mm	10
• sidewards	mm	9
Distance, to be maintained, conductive elements		
• forwards	mm	0
• backwards	mm	0
• upwards	mm	20
• downwards	mm	10
• sidewards	mm	9

Connections:		
Design of the electrical connection		
for main current circuit	spring-loaded terminals	
for auxiliary and control current circuit	spring-loaded terminals	
Type of the connectable conductor cross-section		
• for main contacts		
• solid	2x (0.5 4 mm²)	
• stranded	2x (0.5 4 mm2)	
• finely stranded		
 with conductor end processing 	2x (0.5 2.5 mm²)	
 without conductor final cutting 	2x (0.5 2.5 mm²)	
• for AWG conductors / for main contacts	2x (20 12)	
for auxiliary contacts		
• solid	2x (0.5 4 mm²)	
• finely stranded		
 with conductor end processing 	2x (0.5 2.5 mm²)	
 without conductor final cutting 	2x (0.5 2.5 mm²)	
 for AWG conductors / for auxiliary contacts 	2x (20 12)	

Certificates/approvals:	
Verification of suitability	CE/UL/CSA/CCC
Varification of suitability / ATEX	No

General Product Approval

For use in hazardous locations

Test Certificates

ROSTEST



 $\frac{\mathsf{DEKRA}\;\mathsf{EXAM},}{\mathsf{DMT}}$

Manufacturer

Shipping Approval

other







Manufacturer ot

other

UL/CSA ratings

Operating current (FLA) / for three-phase squirrel cage motors

• at 480 V / rated value A 0.63
• at 600 V / rated value A 0.63

Contact rating designation / for auxiliary contacts / according to UL

A600 / Q600

Safety:		
B10 value / with high demand rate		
according to SN 31920		1,000,000
Failure rate (FIT value) / with low demand rate		
according to SN 31920	FIT	150
Proportion of dangerous failures		
with low demand rate / according to SN 31920	%	40
 with high demand rate / according to SN 31920 	%	75
T1 value / for proof test interval or service life		
according to IEC 61508	а	10
Protection against electrical shock		finger-safe

Further information:

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator

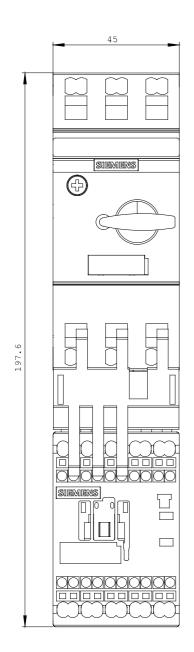
http://www.siemens.com/cax

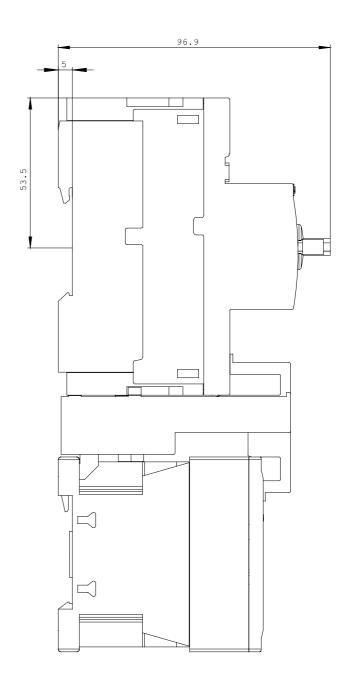
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

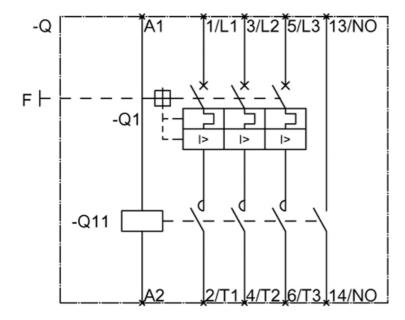
http://support.automation.siemens.com/WW/view/en/3RA2110-0GE15-1BB4/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA2110-0GE15-1BB4}$







last change: Oct 24, 2011