SIEMENS

Product data sheet

3RA2110-0KA15-1BB4



LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ S00 0.9. . .1.25A, DC 24V SCREW CONNECTION FOR RAIL-MOUNTING, 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 		<u>3RV2011-0KA10</u>
 of the contactor included in the scope of supply 		<u>3RT2015-1BB41</u>
• of the link module included in the scope of supply		3RA1921-1DA00
Design of the switching contact		mechanical
Type of the motor protection		bimetal
Adjustable response current		
 of the current-dependent overload release 	А	0.9 1.25
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 current		
• at AC-1 / at 400 V / rated value	А	1.25
• at AC-2 / at 400 V / rated value	А	1.1
• at AC-3 / at 400 V / rated value	А	1.1
• at AC-4 / at 400 V / rated value	А	1.1
Service power		
• at AC-2 / at 400 V / rated value	W	370
• at AC-3		
• at 400 V / rated value	W	370
• at 500 V / rated value	W	550
• at 690 V / rated value	W	750
• at AC-4 / at 400 V / rated value	W	370
Off-load operating frequency	1/h	10,000
Frequency of operation		
• at AC-1 / according to IEC 60947-6-2 / maximum	1/h	1,000
• at AC-2 / according to IEC 60947-6-2 / maximum	1/h	750

at AC-3 / according to IEC 60947-6-2 / maximum	1/h	750
at AC-4 / according to IEC 60947-6-2 / maximum	1/h	250
Control circuit:		
Type of voltage / of the controlled supply voltage		DC
Control supply voltage frequency		
• 1 / rated value	Hz	0
Control supply voltage / 1		
• for DC / rated value	V	24
Holding power / of the solenoid / for DC	W	4
Auxiliary circuit:		
Product extension / auxiliary switch		Yes
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		1
Number of change-over switches / for auxiliary contacts		0
Inputs/ Outputs:		
Number of digital inputs		0
Short-circuit:		
Product function / short circuit protection		Yes
Design of the short-circuit protection		circuit-breakers
Breaking capacity limit short-circuit current (lcu)		
• at 400 V / rated value	А	100,000
• at 500 V / rated value	А	100,000
• at 690 V / rated value	А	100,000
Installation/mounting/dimensions:		
Built in orientation		vertical
Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail
Width	mm	45
Height	mm	167.2
Depth	mm	97.1
Distance, to be maintained, to the ranks assembly		
• forwards	mm	0
backwards	mm	0
• upwards	mm	20
downwards	mm	30
• sidewards	mm	0
Distance, to be maintained, to earthed part		

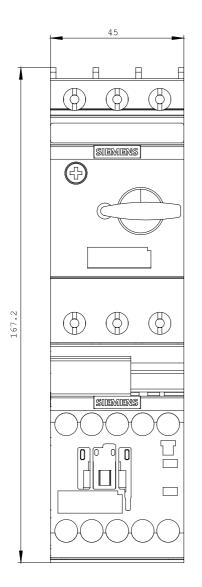
• forwards	mm	0
backwards	mm	0
• upwards	mm	20
downwards	mm	10
• sidewards	mm	9
Distance, to be maintained, conductive elements		
• forwards	mm	0
backwards	mm	0
• upwards	mm	20
• downwards	mm	10
• sidewards	mm	9

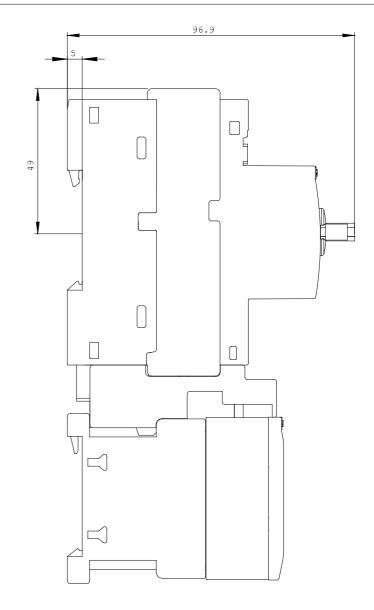
Design of the electrical connection	
for main current circuit	screw-type terminals
 for auxiliary and control current circuit 	screw-type terminals
Type of the connectable conductor cross-section	
for main contacts	
• solid	2x (0.75 2.5 mm²), 2x 4 mm²
• stranded	2x (0.75 2.5 mm2), 2x 4 mm2
finely stranded	
 with conductor end processing 	2x (0.75 2.5 mm²)
 for AWG conductors / for main contacts 	2x (18 14), 2x 12
for auxiliary contacts	
• solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
finely stranded	
 with conductor end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG conductors / for auxiliary contacts 	2x (20 16), 2x (18 14), 2x 12
Certificates/approvals:	
Verification of suitability	CE / UL / CSA / CCC
Varification of suitability / ATEX	No

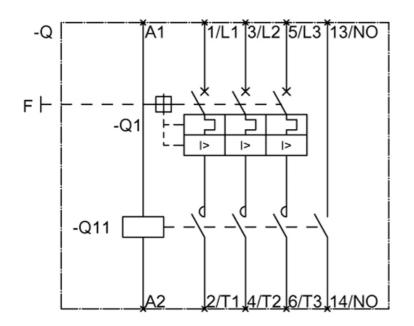
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Protection against electrical shock finger-safe Further information: Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/industrial-controls/catalogs Industry Mall (Online ordering system) http://www.siemens.com/industrial-controls/mall Industry Mall (Online ordering system)	 Proportion of dangerous with low demand rate with high demand rate 	s failures / according to SN 31 e / according to SN 3	1920	%	40
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http://support.automation.siemens.com/WW/view/en/3RA2110-0KA15-1BB4/all









last change:

Oct 24, 2011