



LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ S0, 16...22A, DC 24V SPRING-LOADED CONNECTION FOR BUSBAR SYSTEMS 60MM TYPE OF COORDINATION 2, IQ = 150KA (ALSO FULFILLS TYPE OF COORDINATION 1) 1NO+1NC (CONTACTOR)

product brand name		SIRIUS
Product designation		non-fused load feeders 3RA2
Manufacturer article number		
<ul style="list-style-type: none"> • of the supplied contactor • of the supplied circuit-breakers • of the supplied busbar adapter • of the supplied link module 		3RT2027-2BB40 3RV2021-4CA20 8US1251-5NT11 3RA2921-2AA00

General technical data:

Insulation voltage		
<ul style="list-style-type: none"> • with degree of pollution 3 Rated value 	V	690
Shock resistance		
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 		6g / 11 ms
Surge voltage resistance Rated value	kV	6
Type of assignment		2
Protection class IP		
<ul style="list-style-type: none"> • on the front 		IP20

Main circuit:

Number of poles for main current circuit		3
Adjustable response value current of the current-dependent overload release	A	17 ... 22
Operating voltage		
<ul style="list-style-type: none"> • Rated value • at AC-3 Rated value maximum 	V	690
	V	690
Operating frequency Rated value	Hz	50 ... 60
Operating current		

<ul style="list-style-type: none"> at AC-3 <ul style="list-style-type: none"> at 400 V Rated value 	A	22
Operating power		
<ul style="list-style-type: none"> at AC-3 <ul style="list-style-type: none"> at 400 V Rated value at 500 V Rated value at 690 V Rated value 	W W W	11 000 11 000 18 500
Control circuit/ Control:		
Control supply voltage for DC		
<ul style="list-style-type: none"> Rated value 	V	24
Holding power of the magnet coil for DC	W	5.9
Auxiliary circuit:		
Product expansion Auxiliary switch		Yes
Protective and monitoring functions:		
Trip class		CLASS 10
Design of the overload circuit breaker		thermal (bimetallic)
Short-circuit:		
Product function Short circuit protection		Yes
Design of the short-circuit trip		magnetic
Conditional short-circuit current (I_q)		
<ul style="list-style-type: none"> at 690 V acc. to IEC 60947-4-1 Rated value at 400 V acc. to IEC 60947-4-1 Rated value at 500 V acc. to IEC 60947-4-1 Rated value 	A A A	2 000 153 000 5 000
Installation/ mounting/ dimensions:		
mounting position		vertical
Mounting type		for snapping onto 60 mm busbar systems
Height	mm	260
Width	mm	45
Depth	mm	164.9
Required spacing		
<ul style="list-style-type: none"> for grounded parts <ul style="list-style-type: none"> forwards Backwards upwards at the side downwards for live parts <ul style="list-style-type: none"> forwards Backwards upwards 	mm mm mm mm mm mm mm mm mm mm	10 0 30 9 10 10 0 30

— downwards

mm 10

— at the side

mm 9

Connections/ Terminals:

Type of electrical connection

- for main current circuit

spring-loaded terminals

Safety related data:

B10 value with high demand rate acc. to SN 31920

1 000 000

Proportion of dangerous failures

- with high demand rate acc. to SN 31920

%

73

Protection against electrical shock

finger-safe

Mechanical data:

Size of the circuit-breaker

S0

Size of load feeder

S0

Ambient conditions:

Ambient temperature

- during operation
- during storage
- during transport

°C

-20 ... +60

°C

-50 ... +80

°C

-50 ... +80

Certificates/ approvals:

General Product Approval	For use in hazardous locations	Declaration of Conformity	Test Certificates
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[Declaration of the Compliance with the order](#)

Test Certificates	Shipping Approval
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[Type Test Certificates/Test Report](#)



Shipping Approval	other
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[Declaration of Conformity](#)

[Environmental Confirmations](#)

[other](#)

Further information

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

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RA21204CH270BB4>

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

<http://support.automation.siemens.com/WW/view/en/3RA21204CH270BB4/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RA21204CH270BB4&lang=en



