

LOAD FEEDER FUSELESS REVERSING DUTY,
AC 400V, SZ S00, 0.7...1A,
DC 24V SCREW TERMINAL FOR RAIL-MOUNTING,
TYPE OF COORDINATION 1,
IQ = 150KA WITH SOLID-STATE CONTACTOR

Allgemeine technische Daten:

product brand name		SIRIUS
Product designation		non-fused load feeders 3RA2
Size of the load feeder		S00
Number of poles / for main current circuit		3
Installation altitude / at a height over sea level / maximum	m	2,000
Product function • short circuit protection • overload protection • phase disturbance recognition		Yes Yes Yes
Product component • trip indicator • auxiliary switch		No No
Product extension / auxiliary switch		Yes
Design of display / for switching status		Switch setting
Insulation voltage / with degree of pollution 3 / rated value	V	690
Impulse voltage resistance / rated value	kV	6
Protection class IP • on the front		IP20
Protection against electrical shock		finger-safe
Shock resistance / according to IEC 60068-2-27		6g / 11 ms
maximum permissible voltage for safe isolation in networks with non-grounded star point		
Ambient temperature • during transport • during storage • during operating	°C	-50 ... +80 -50 ... 80 -20 ... 60
Manufacturer article number • of the circuit-breakers included in the scope of supply • of the contactor included in the scope of supply • of the RS applied assembly kit		3RV2011-0JA10 3RF3403-BD04

- of the link module included in the scope of supply
- of the busbar adapter included in the scope of supply
- of the RH applied assembly kit

[3RA1921-1DA00](#)

Hauptstromkreis:

Operating current / rated value	A	16
Mechanical operating cycles as operating time / of the auxiliary contacts / typical		30,000,000
Derating factor for rated value of the operational current		
Operating voltage / rated value	V	690
Voltage type / for main circuit		AC
Frequency		-
Service power / at AC-3 • at 400 V / rated value • at 500 V rated value • at 690 V rated value	W	250 370 550
Operating current / at AC-3 / at 400 V / rated value	A	0.85
Type of assignment		2

Steuerstromkreis/ Ansteuerung:

Voltage type / for auxiliary and control circuit		DC
Holding power / of the solenoid / for DC	W	4

Hilfsstromkreis:

Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Number of changeover contacts / for auxiliary contacts		0

Schutz-/Überwachungsfunktion:

Design of the overload circuit breaker		thermal (bimetallic)
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	0.7 ... 1
Design of the short-circuit trip		magnetic
Conditional short-circuit current (I _q) • at 400 V / according to IEC 60947-4-1 / rated value • at 690 V according to IEC 60947-4-1 rated value	A	153,000 -
Varification of suitability / ATEX		Yes

Sicherheitsrelevante Kenngrößen:

Proportion of dangerous failures • with high demand rate / according to SN 31920	%	73
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B10 value / with high demand rate / according to SN 31920		1,000,000
Einbau/ Befestigung/ Abmessungen:		
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail
mounting position		vertical
Depth	mm	97.1
Height	mm	260
Width	mm	90
Distance, to be maintained, to the ranks assembly		
• upwards	mm	20
• forwards	mm	0
• sideways		0
• backwards		0
• downwards		30
Anschlüsse/ Klemmen:		
Arrangement of electrical connectors / for main current circuit		from the top
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 or multi-stranded		2x (0,75 ... 2,5 mm ²), 2x 4 mm ²
• finely stranded		
• with conductor end processing		2x (0.5 ... 2.5 mm ²)
Type of the connectable conductor cross-section for auxiliary contacts		
• solid or multi-stranded		2x (0,5 ... 1,5 mm ²), 2x (0,75 ... 2,5 mm ²)
• finely stranded		
• with conductor end processing		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)
Type of the connectable conductor cross-section / for AWG conductors		
• for main contacts		2x (18 ... 14), 2x 12
• for auxiliary contacts		2x (20 ... 16), 2x (18 ... 14)
Tightening torque / for main contacts		
• with screw-type terminals	N·m	0.8 ... 1.2
Design of the thread of the connection screw for main contacts		
M3	M3	
Tightening torque / for auxiliary contacts		
• with screw-type terminals	N·m	0.8 ... 1.2

Design of the thread of the connection screw of the auxiliary and control pins		
M3	M3	
Dimension de la tête de tournevis		Pozidriv 2

UL/CSA Bemessungsdaten:

yielded mechanical performance [hp] / for three-phase squirrel cage motors - at 460/480 V rated value - at 575/600 V rated value		0.5
Full-load current (FLA) / for 3-phase motor at 480 V / rated value	A	1

Approbationen/ Zertifikate:

General Product Approval	For use in hazardous locations	Declaration of Conformity	other
			other Environmental Confirmations

Weitere Informationen:

Information- and Downloadcenter (Kataloge, Broschüren,...)

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

Industry Mall (Online-Bestellsystem)

<http://www.siemens.de/industrial-controls/mall>

CAX-Online-Generator

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

Service&Support (Handbücher, Betriebsanleitungen, Zertifikate, Kennlinien, FAQs,...)

<http://support.automation.siemens.com/WW/view/de/3RA2210-0JA03-0SB4/all>

Bilddatenbank (Produktfotos, 2D-Maßzeichnungen, 3D-Modelle, Geräteschaltpläne, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0JA03-0SB4

