

LOAD FEEDER FUSELESS DIRECT START,
AC 400V, SZ S0, 4.5. . .6.3A,
AC 230V SCREW CONNECTION FOR RAIL-MOUNTING,
TYPE OF COORDINATION 2,
IQ = 150KA (ALSO FULFILLS TYPE OF COORDINATION 1)
1NO+1NC (CONTACTOR)

Allgemeine technische Daten:

product brand name		SIRIUS
Product designation		non-fused load feeders 3RA2
Size of the load feeder		S0
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		Yes
• overload protection		Yes
• phase disturbance recognition		Yes
Product component		
• trip indicator		No
• auxiliary switch		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 - 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		3RV2021-1GA10 3RT2024-1AP00 3RA2921-1AA00

Hauptstromkreis:		
Operating current / rated value	A	32
Mechanical operating cycles as operating time / of the auxiliary contacts / typical		10,000,000
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	2,200 3,000 4,000
Operating current / at AC-3 / at 400 V / rated value	A	4.9
Type of assignment		2

Steuerstromkreis/ Ansteuerung:		
Voltage type / for auxiliary and control circuit		AC
Apparent holding power / of the solenoid / for AC	V·A	8.5

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	4.5 ... 6.3
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 500 V / according to IEC 60947-4-1 / rated value • at 690 V according to IEC 60947-4-1 rated value	A A	153,000 100,000 4,000
Varification of suitability / ATEX		Yes

Sicherheitsrelevante Kenngrößen:

Proportion of dangerous failures • with high demand rate / according to SN 31920	%	73
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	193.1
Width	mm	45
Distance, to be maintained, to the ranks assembly • upwards • forwards • sideways • backwards • downwards	mm mm	30 10 0 0 30

Anschlüsse/ Klemmen:

Arrangement of electrical connectors / for main current circuit		from the top
Design of the electrical connection • for main current circuit • for auxiliary and control current circuit		screw-type terminals screw-type terminals
Type of the connectable conductor cross-section for main contacts • solid or multi-stranded • finely stranded • with conductor end processing		2x (1 ... 2,5 mm²), 2x (2,5 ... 10 mm²) 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm²
Type of the connectable conductor cross-section for auxiliary contacts • solid or multi-stranded • finely stranded		2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²)

• 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 (16 ... 12), 2x (14 ... 8)
• for auxiliary contacts		2x (20 ... 16), 2x (18 ... 14)
Tightening torque / for main contacts		
• with screw-type terminals	N·m	2 ... 2.5
Design of the thread of the connection screw for main contacts		
M4	M4	
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 200/208 V / rated value
- at 220/230 V / rated value
- at 460/480 V rated value
- at 575/600 V rated value

hp	1
hp	1.5
	3
	5

Full-load current (FLA) / for 3-phase motor

- at 480 V / rated value

A	4.8
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Approbationen/ Zertifikate:

General Product Approval



[Type Test Certificates/Test Report](#)

For use in hazardous locations

Declaration of Conformity

Test Certificates

Shipping Approval



other

[Declaration of Conformity](#)

[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

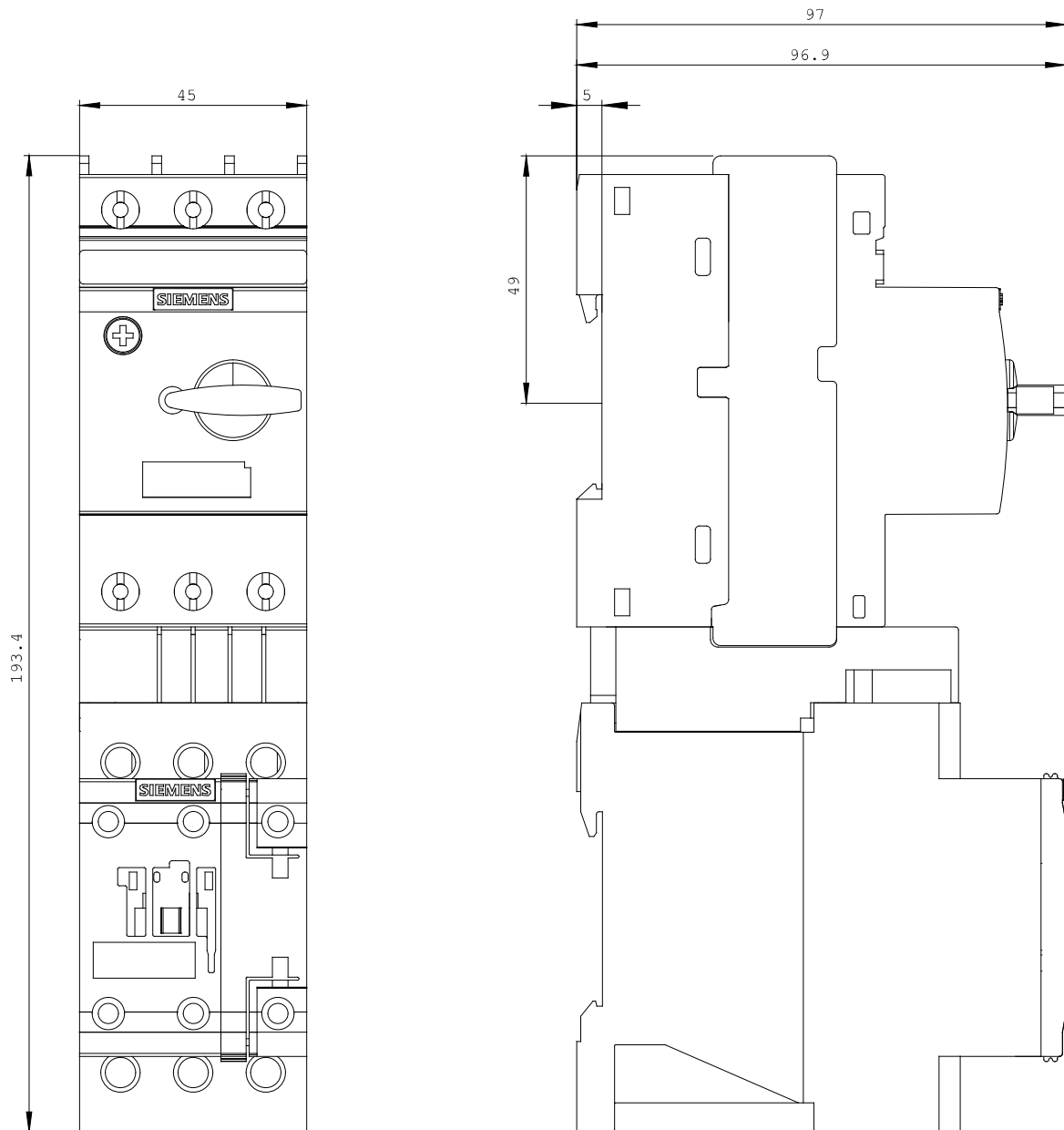
<http://www.siemens.com/cax>

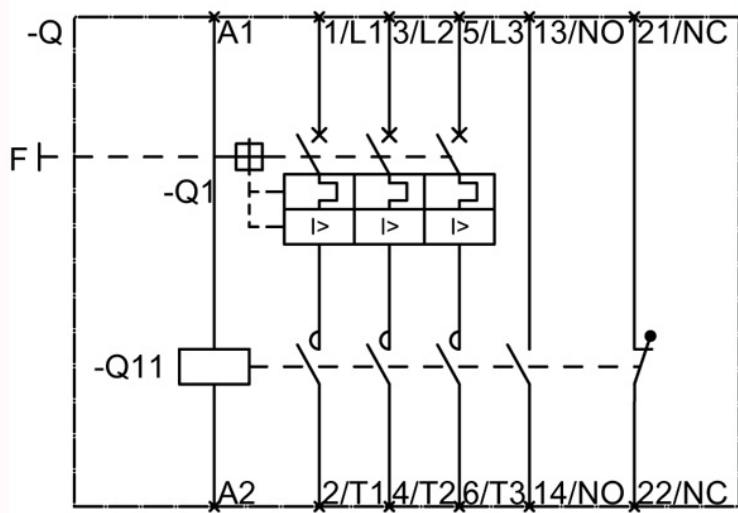
Service&Support (Handbücher, Betriebsanleitungen, Zertifikate, Kennlinien, FAQs,...)

<http://support.automation.siemens.com/WW/view/de/3RA2120-1GA24-0AP0/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2120-1GA24-0AP0





letzte Änderung:

Aug 4, 2014