



LOAD FEEDER FUSELESS DIRECT STARTING, AC
 400V, SIZE S0 3.5...5 A,
 AC 110 V, 50 HZ,
 SCREW CONNECTION FOR MOUNTING ONTO
 STANDARD MOUNTING RAILS,
 TYPE OF COORDIN. 2, IQ = 50 KA

General technical data:

product brand name		SIRIUS
Product designation		non-fused load feeder
Design of the product		direct starter
Size of the load feeder		S0
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 storage	°C	-55 ... +80
• during operating	°C	-20 ... +70
Resistance against shock		12.5g
Impulse voltage resistance / rated value	kV	6
Reference code		
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		Q
• according to DIN EN 61346-2		Q
Type of assignment		2
Mechanical operating cycles as operating time / of the contactor / typical		10,000,000

Manufacturer article number		
<ul style="list-style-type: none"> • of the circuit-breakers included in the scope of supply • of the contactor included in the scope of supply • of the link module included in the scope of supply 		3RV1021-1FA10 3RT1024-1AF00 3RA1921-1AA00
Design of the switching contact		electromechanical
Type of the motor protection		bimetal
Adjustable response current		
<ul style="list-style-type: none"> • of the current-dependent overload release 	A	3.5 ... 5

Communication/ Protocol:

Product function / bus-communication		No
Protocol / is supported		
<ul style="list-style-type: none"> • AS interface protocol 		No
<ul style="list-style-type: none"> • PROFIBUS DP protocol 		No
<ul style="list-style-type: none"> • PROFINET protocol 		No

Main circuit:

Number of poles / for main current circuit		3
Operating voltage / at AC-3 / rated value / maximum	V	400
Operating current / at AC-3 / at 400 V / rated value	A	3.6
Service power / at AC-3 / at 400 V / rated value	kW	1.5
Off-load operating frequency	1/s	15

Control circuit/ Control:

Voltage type / of control feed voltage		AC
Control supply voltage frequency / 1		
<ul style="list-style-type: none"> • rated value 	Hz	50
Control supply voltage / 1		
<ul style="list-style-type: none"> • at 50 Hz / for AC • rated value 	V	110

Auxiliary circuit:

Product extension / auxiliary switch		Yes
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of changeover contacts / 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 (I_{cu}) / at 400 V / rated value	kA	50

Installation/ mounting/ dimensions:

mounting position		bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar
Mounting type		snap-on fastening on 35 mm standard rail
Width	mm	45
Height	mm	183
Depth	mm	96
Distance, to be maintained, to the ranks assembly / sideways	mm	0
Distance, to be maintained, to earthed part		
• forwards	mm	10
• backwards	mm	0
• upwards	mm	30
• sideways	mm	9
Distance, to be maintained, conductive elements		
• forwards	mm	10
• backwards	mm	9
• downwards	mm	0
• sideways	mm	30

Connections/ terminals:

Design of the electrical connection / for main current circuit		screw-type terminals
Type of the connectable conductor cross-section		
• for main contacts		
• solid		1 ... 6 mm ² , 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
• stranded		1 ... 6 mm ² , 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
• finely stranded / with conductor end processing		1 ... 6 mm ² , 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
• for AWG conductors / for main contacts		2x (14 ... 10)
Verification of suitability		UL / CSA / CCC / GL / LRS / BV / DNV / PRS

Certificates/ approvals:

General Product Approval

For use in hazardous locations

Declaration of Conformity



Shipping Approval



other

[other](#)

[Environmental Confirmations](#)

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

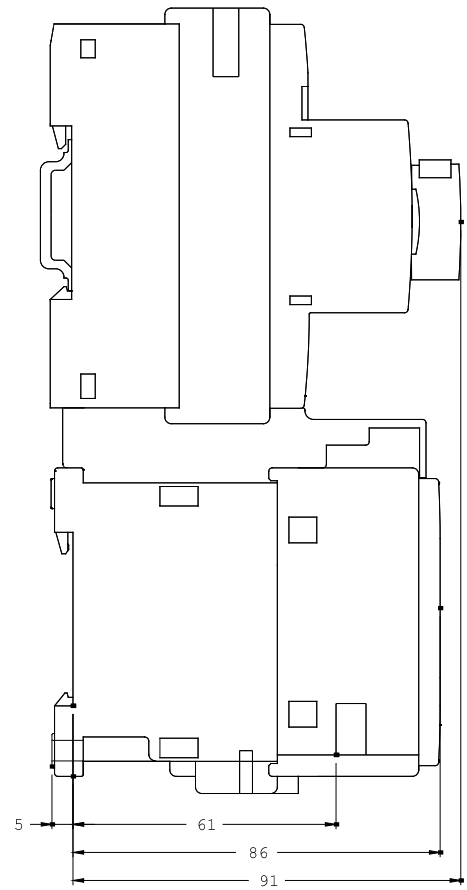
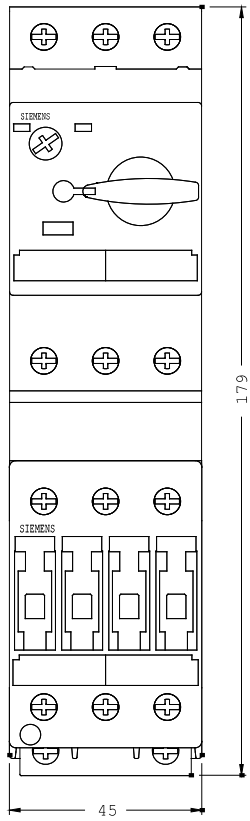
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RA1120-1FA24-0AF0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA1120-1FA24-0AF0



last change:

Jul 28, 2014