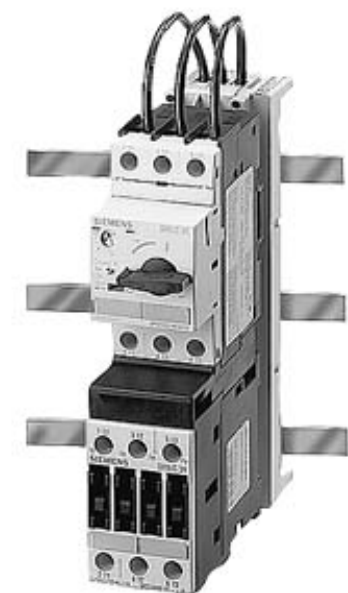




LOAD FEEDER FUSELESS DIRECT STARTING, AC 400V, SIZE S0 3.5...5 A,
AC 230 V, 50 HZ, SCREW CONNECTION,
ON 40 MM BUSBAR ADAPTER TYPE OF COORDIN. 2,
IQ = 50 KA (ALSO COMPATIBLE WITH TYPE OF COORDINATION 1)

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		
• 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 • of the busbar adapter included in the scope of supply		3RV1021-1FA10 3RT1024-1AP00 3RA1921-1AA00 8US1051-5DM07
Design of the switching contact		electromechanical
Type of the motor protection		bimetal
Adjustable response current		
• of the current-dependent overload release	A	3.5 ... 5

Communication/ Protocol:

Product function / bus-communication		No
Protocol / is supported		
• AS interface protocol		No
• PROFIBUS DP protocol		No
• 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		
• rated value	Hz	50
Control supply voltage / 1		
• at 50 Hz / for AC • rated value	V	230

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
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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		for snapping onto 40 mm busbar systems
Width	mm	45
Height	mm	183
Depth	mm	148
Center line spacing	mm	40
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
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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

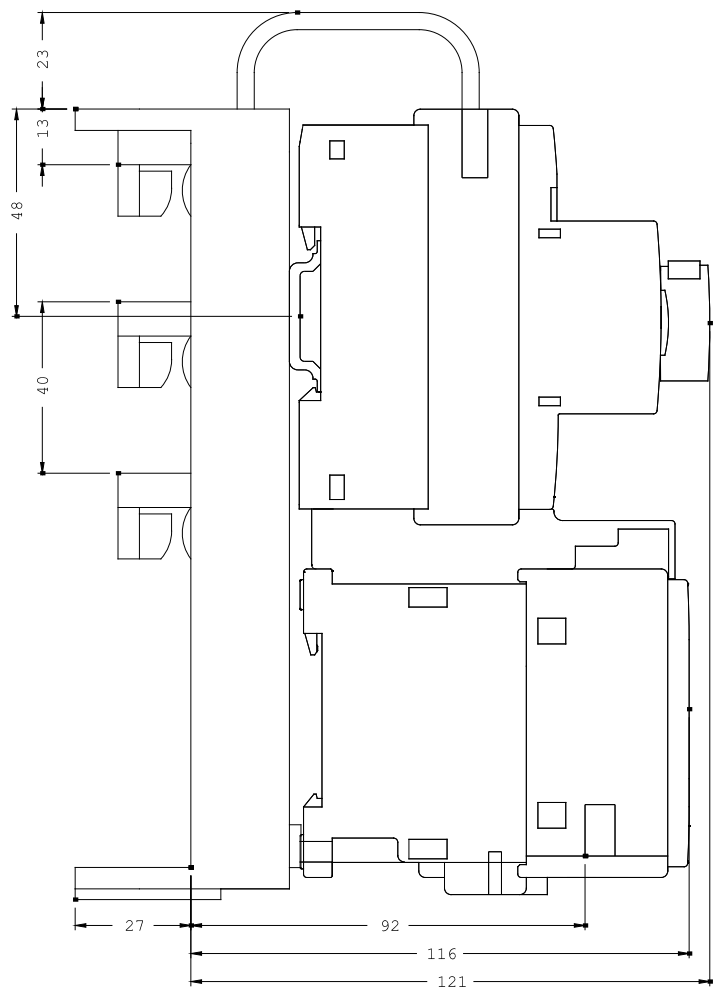
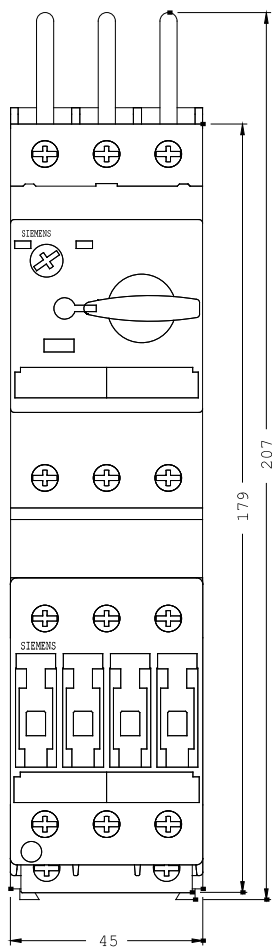
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RA1120-1FC24-0AP0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA1120-1FC24-0AP0



last change:

Jul 28, 2014