

Infeed left Connection main circuit: input: Screw,
Outgoing feeder: Spring 3 slots for compact load
feeders Connection terminal maximum 50 mm² / 70
mm²

General technical data		
Product brand name		SIRIUS
Product designation		infeed left
Protection class IP		IP20
Degree of pollution		3
Number of slots for compact feeder		3
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during transport	°C	-55 ... +80
• during storage	°C	-55 ... +80
• during operation	°C	-20 ... +60
Vibration resistance		f = 4 to 5.8 Hz; d = 15 mm; f = 5.8 to 500 Hz; a = 2 m / s ² 10 cycles
Shock resistance		Semi-sinusoidal a = 6 m/s ² at 10 ms; 3 pos. and 3 neg. Shock in all axes
Reference code acc. to DIN EN 61346-2		W
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		W

Main circuit		
Operating current at AC at 400 V rated value	A	100
Operating voltage at AC-3 rated value maximum	V	690
Installation/ mounting/ dimensions		
Mounting type		screw and snap-on mounting
Width	mm	205
Height	mm	208
Depth	mm	155
Connections/ Terminals		
Type of electrical connection for main current circuit		spring-loaded terminals
Wire stripping length for main contacts	mm	17
Connectable conductor cross-section for supply for main contacts using the upper clamping point		
• solid	mm ²	2.5 ... 70
• stranded	mm ²	2.5 ... 70
• finely stranded with core end processing	mm ²	2.5 ... 35
• finely stranded without core end processing	mm ²	4 ... 50
Connectable conductor cross-section for supply for main contacts using the lower clamping point		
• solid	mm ²	2.5 ... 70
• stranded	mm ²	2.5 ... 70
• finely stranded with core end processing	mm ²	2.5 ... 50
• finely stranded without core end processing	mm ²	10 ... 50
Connectable conductor cross-section for supply for main contacts using both clamping points		
• solid	mm ²	2 ... 50
• stranded	mm ²	2 ... 50
• finely stranded with core end processing	mm ²	2 ... 35
• finely stranded without core end processing	mm ²	2 ... 35
AWG number as coded connectable conductor cross section for supply for main contacts		
• using the upper clamping point		10 ... 0
• using the lower clamping point		10 ... 0
• using both clamping points		10 ... 0
Type of connectable conductor cross-sections for supply for main contacts using the upper clamping point		
• solid		2.5 ... 70 mm ²
• stranded		2.5 ... 70 mm ²
• finely stranded with core end processing		2.5 ... 35 mm ²
• finely stranded without core end processing		4 ... 50 mm ²

Type of connectable conductor cross-sections for supply for main contacts using the lower clamping point		
<ul style="list-style-type: none"> • solid • stranded • finely stranded with core end processing • finely stranded without core end processing 		<p>2.5 ... 70 mm²</p> <p>2.5 ... 70 mm²</p> <p>2.5 ... 50 mm²</p> <p>10 ... 50 mm²</p>
Type of connectable conductor cross-sections for supply for main contacts using both clamping points		
<ul style="list-style-type: none"> • solid • stranded • finely stranded with core end processing • finely stranded without core end processing 		<p>2 x (2.5 ... 50 mm²)</p> <p>2 x (2.5 ... 50 mm²)</p> <p>2 x (2.5 ... 35 mm²)</p> <p>2 x (4 ... 35 mm²)</p>
Type of connectable conductor cross-sections at AWG conductors for supply for main contacts		
<ul style="list-style-type: none"> • using the upper clamping point • using the lower clamping point • using both clamping points 		<p>10 ... 2/0</p> <p>10 ... 2/0</p> <p>2 x (10 ... 1/0)</p>
Connectable conductor cross-section for main contacts for load-side outgoing feeder		
<ul style="list-style-type: none"> • solid • stranded • finely stranded with core end processing • finely stranded without core end processing 	<p>mm²</p> <p>mm²</p> <p>mm²</p> <p>mm²</p>	<p>1.5 ... 10</p> <p>1.5 ... 10</p> <p>1.5 ... 6</p> <p>1.5 ... 6</p>
AWG number as coded connectable conductor cross section for main contacts for load-side outgoing feeder		
		14 ... 8
Type of connectable conductor cross-sections for main contacts for load-side outgoing feeder		
<ul style="list-style-type: none"> • solid • stranded • finely stranded with core end processing • finely stranded without core end processing 		<p>2x (1.5 ... 6 mm²), 1x (1.5 ... 10 mm²)</p> <p>2x (1.5 ... 6 mm²), 1x (1.5 ... 10 mm²)</p> <p>2 x (1.5 ... 6) mm²</p> <p>2 x (1.5 ... 6) mm²</p>
Type of connectable conductor cross-sections at AWG conductors for main contacts for load-side outgoing feeder		
		2 x (16 ... 10), 1 x (16 ... 8)

Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
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[Miscellaneous](#)

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



Shipping Approval	other
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[Confirmation](#)

Safety related data

Protection against electrical shock	finger-safe
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Further information

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA6813-8AC>

Cax online generator

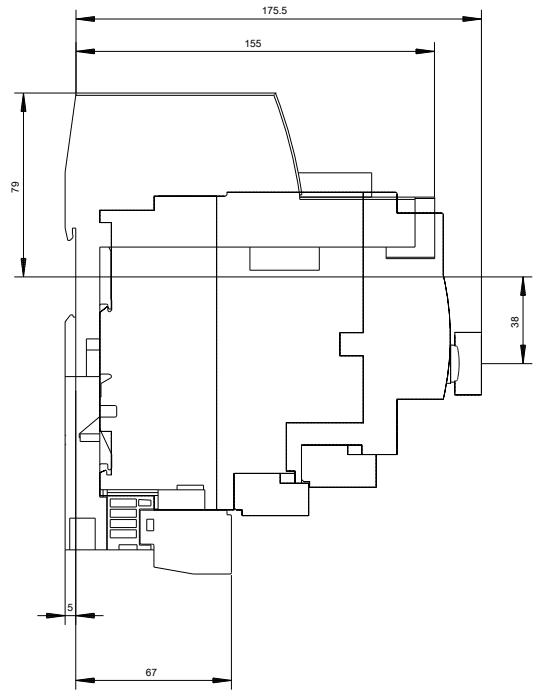
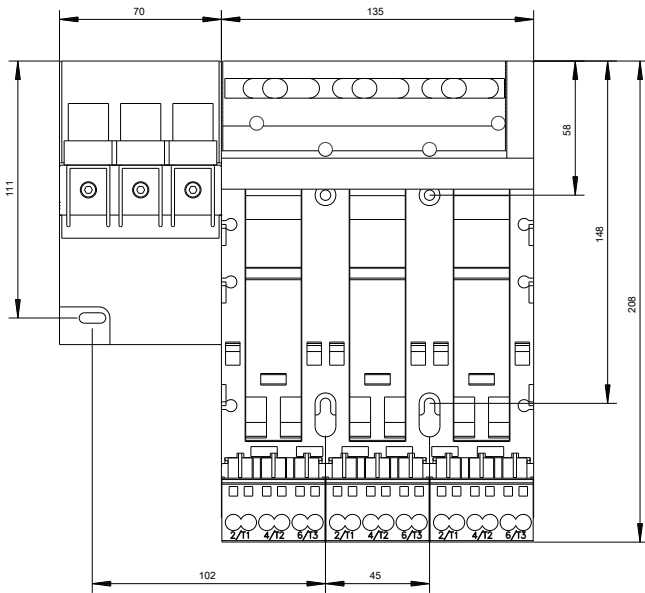
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA6813-8AC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA6813-8AC>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA6813-8AC&lang=en



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03/10/2020