

Infeed left Connection main circuit: screw terminal 3 slots for compact load feeders Connection terminal maximum 25 mm² / 35 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	63
Operating voltage at AC-3 rated value maximum	V	690

Installation/ mounting/ dimensions:

Mounting type		screw and snap-on mounting
Width	mm	180
Height	mm	197
Depth	mm	144






Connections/ Terminals:






Type of electrical connection for main current circuit		screw-type terminals
Design of screw-type connection for main contacts		M3
Wire stripping length for main contacts	mm	13
Tightening torque for main contacts with screw-type terminals	N·m	3 ... 4.5
Connectable conductor cross-section for supply for main contacts using the upper clamping point		

<ul style="list-style-type: none"> • solid 	mm ²	2.5 ... 35
<ul style="list-style-type: none"> • stranded 	mm ²	2.5 ... 35
<ul style="list-style-type: none"> • finely stranded with core end processing 	mm ²	2.5 ... 25
<ul style="list-style-type: none"> • finely stranded without core end processing 	mm ²	2.5 ... 25
Connectable conductor cross-section for supply for main contacts using the lower clamping point		
<ul style="list-style-type: none"> • solid 	mm ²	2.5 ... 35
<ul style="list-style-type: none"> • stranded 	mm ²	2.5 ... 35
<ul style="list-style-type: none"> • finely stranded with core end processing 	mm ²	2.5 ... 25
<ul style="list-style-type: none"> • finely stranded without core end processing 	mm ²	2.5 ... 25
Connectable conductor cross-section for supply for main contacts using both clamping points		
<ul style="list-style-type: none"> • solid 	mm ²	2 ... 25
<ul style="list-style-type: none"> • stranded 	mm ²	2 ... 25
<ul style="list-style-type: none"> • finely stranded with core end processing 	mm ²	2 ... 16
<ul style="list-style-type: none"> • finely stranded without core end processing 	mm ²	2 ... 16
AWG number as coded connectable conductor cross section for supply for main contacts		
<ul style="list-style-type: none"> • using the upper clamping point 		12 ... 2
<ul style="list-style-type: none"> • using the lower clamping point 		12 ... 2
<ul style="list-style-type: none"> • using both clamping points 		16 ... 2
Type of connectable conductor cross-sections for supply for main contacts using the upper clamping point		
<ul style="list-style-type: none"> • solid 		2.5 ... 35 mm ²
<ul style="list-style-type: none"> • stranded 		2.5 ... 35 mm ²
<ul style="list-style-type: none"> • finely stranded with core end processing 		2.5 ... 25 mm ²
<ul style="list-style-type: none"> • finely stranded without core end processing 		2.5 ... 25 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 		2.5 ... 35 mm ²
<ul style="list-style-type: none"> • stranded 		2.5 ... 35 mm ²
<ul style="list-style-type: none"> • finely stranded with core end processing 		2.5 ... 25 mm ²
<ul style="list-style-type: none"> • finely stranded without core end processing 		2,5 ... 25 mm ²
Type of connectable conductor cross-sections for supply for main contacts using both clamping points		
<ul style="list-style-type: none"> • solid 		2 x (2.5 ... 25 mm ²)
<ul style="list-style-type: none"> • stranded 		2 x (2.5 ... 25 mm ²)
<ul style="list-style-type: none"> • finely stranded with core end processing 		2 x (2.5 ... 16 mm ²)
<ul style="list-style-type: none"> • finely stranded without core end processing 		2 x (2.5 ... 16 mm ²)
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 		12 ... 2
		12 ... 2
		2 x (16 ... 2)
Connectable conductor cross-section for main contacts for load-side outgoing feeder		
<ul style="list-style-type: none"> • solid 	mm ²	1.5 ... 10
<ul style="list-style-type: none"> • stranded 	mm ²	1.5 ... 10
<ul style="list-style-type: none"> • finely stranded with core end processing 	mm ²	1.5 ... 6
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 		2x (1.5 ... 6 mm ²), 1x (1.5 ... 10 mm ²)
<ul style="list-style-type: none"> • stranded 		2x (1.5 ... 6 mm ²), 1x (1.5 ... 10 mm ²)
<ul style="list-style-type: none"> • finely stranded with core end processing 		2 x (1.5 ... 6) mm ²
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
 CSA  UL  EAC  RCM  EG-Konf.		Miscellaneous

Test Certificates	Shipping Approval
Type Test Certificates/Test Report	 ABS  BUREAU VERITAS  LRS  PRS  RINA

Shipping Approval	other
 RMRS	Confirmation

Safety related data:

Protection against electrical shock	finger-safe
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Further information

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

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

Industry Mall (Online ordering system)

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

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RA6812-8AB>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA6812-8AB>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RA6812-8AB&lang=en

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