SIEMENS

Product data sheet   **3RA6812-8AC**

FEEDER LEFH -HAND SIDE,
CONNECTION MAIN CIRCUIT: INPUT: SCREW,
OUTPUT: SPRING 3 SLOT FOR COMPACT LOAD
FEEDER TERMINAL MAX. 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 a height over sea level		
• maximum	m	2,000
Ambient temperature		
• during transport	°C	-55 … 80
• during storage	°C	-55 … 80
• during operating	°C	-20 … 60
Item designation		
• according to DIN EN 61346-2		W
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		W

Main circuit:

Operating current / at 400 V / for AC		
• rated value	A	63

Operating voltage / at AC-3 / rated value		
• maximum	V	690

Installation/mounting/dimensions:

Type of mounting		screw and snap-on mounting
Width	mm	180
Height	mm	208
Depth	mm	144

Connections:

Design of the electrical connection		
• for main current circuit		spring-loaded terminals
Wire stripping length / for main contacts	mm	13
Conductor cross-section that can be connected / for supply / for main contacts / using the upper clamping point		
• solid	mm²	2.5 … 35
• stranded	mm²	2.5 … 35
• finely stranded / without conductor end processing		
• minimum	mm²	2.5 … 25
• minimum	mm²	2.5 … 25
Conductor cross section that can be connected / for supply / for main contacts / using the lower clamping point		
• solid	mm²	2.5 … 35
• stranded	mm²	2.5 … 35
• finely stranded / with conductor end processing		
• minimum	mm²	2.5 … 25
• minimum	mm²	2.5 … 25
Conductor cross section that can be connected / for supply / for main contacts / using both clamping points		
• solid	mm²	2 … 25
• stranded	mm²	2 … 25
• finely stranded		
• with conductor end processing	mm²	2 … 16
• with out conductor end processing	mm²	2 … 16
AWG number / as coded connectable conductor cross section / for supply / for main contacts		
• using both clamping points		12 … 2
• using both clamping points		12 … 2
• using both clamping points		16 … 2

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Type of the connectable conductor cross section / for supply / for main contacts / using the upper clamping point		
• unifilar		2.5 ... 35 mm²
• stranded wire		2.5 ... 35 mm²
• finely stranded/ with conductor end processing		
•		2.5 ... 25 mm²
• without conductor end processing		2.5 ... 25 mm²
Type of the connectable conductor cross-section / for supply / for main contacts / using the lower clamping point		
• unifilar		2.5 ... 35 mm²
• stranded wire		2.5 ... 35 mm²
• finely stranded/ with conductor end processing		
•		2.5 ... 25 mm²
• without conductor end processing		2,5 ... 25 mm²
Type of the connectable conductor cross-section / for supply / for main contacts / by use of either clamping points		
• unifilar		2 x (2.5 ... 25 mm²)
• stranded wire		2 x (2.5 ... 25 mm²)
• without conductor final cutting		
•		2 x (2.5 ... 16 mm²)
• without conductor end processing		2 x (2.5 ... 16 mm²)
Type of the connectable conductor cross-section / at AWG-conductors / for supply / for main contacts		
• by use of the upper clamping point		12 ... 2
• by use of the lower clamping point		12 ... 2
• when using both clamping points		2 x (16 ... 2)
Conductor cross-section that can be connected / for main contacts / for motor outgoing line		
• unifilar	mm²	1.5 … 10
• stranded wire	mm²	1.5 … 10
• finely stranded		
• with conductor end p rocessing	mm²	1.5 … 6
• without conductor fi nal cutting	mm²	1.5 … 6
AWG number / as coded connectable conductor cross section / for main contacts		
• for motor outgoing line		14 … 8
Type of the connectable conductor cross-section / for main contacts / for motor outgoing line		
• solid		2x (1.5 ... 6 mm²), 1x (1.5 ... 10 mm²)
• stranded		2x (1.5 ... 6 mm²), 1x (1.5 ... 10 mm²)
• stranded wire		

• with conductor end processing	2 x (1.5 ... 6) mm²
• without conductor final cutting	2 x (1.5 ... 6) mm²
Type of the connectable conductor cross-section / for AWG-conductors / for main contacts	
• for motor outgoing line	2 x (16 ... 10), 1 x (16 ... 8)

General Product Approval

ROSTEST

CSA UL

Shipping Approval				**other**	
BUREAU VERITAS	DNV	PRS	RINA	Manufacturer	other

Safety:

Protection against electrical shock	finger-safe

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
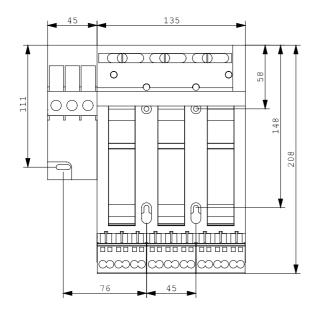
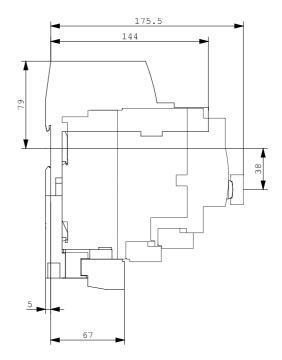**CAx-Online-Generator**
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RA6812-8AC/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA6812-8AC

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