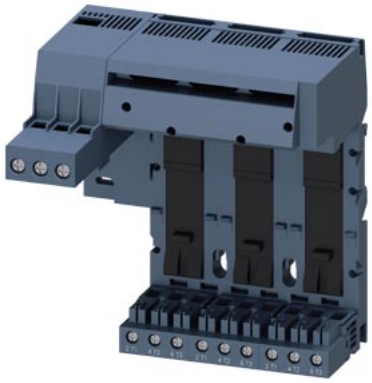
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Data sheet 3RA6812-8AB



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 on the front according to IEC 60529		IP20; IP20 with box terminal/cover
touch protection on the front according to IEC 60529		Finger-safe, for vertical contact
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 … 5.8 Hz; d = 15 mm; f = 5.8 … 500 Hz; a = 2 m/s²; 10 cycles
shock resistance		Semi-sinusoidal a = 6 m/s² at 10 ms; 3 pos. and 3 neg. Shock in all axes
reference code		
● according to IEC 81346-2		W
● according to EN 61346-2		W
Main circuit		
operational current at AC at 400 V rated value	A	63
operating voltage at AC-3 rated value maximum	V	690
Installation/ mounting/ dimensions		
fastening method		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
stripped length for main contacts	mm	13
tightening torque for main contacts with screw-type terminals	N·m	3 ... 4.5
type of connectable conductor cross-sections for supply for main contacts using the upper clamping point		
● solid		2.5 ... 35 mm²
● stranded		2.5 ... 35 mm²
● finely stranded with core end processing		2.5 ... 25 mm²
● finely stranded without core end processing		2.5 ... 25 mm²
type of connectable conductor cross-sections for supply		

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for main contacts using the lower clamping point	
● solid	2.5 ... 35 mm²
● stranded	2.5 ... 35 mm²
● finely stranded with core end processing	2.5 ... 25 mm²
● finely stranded without core end processing	2,5 ... 25 mm²
type of connectable conductor cross-sections for supply for main contacts using both clamping points	
● solid	2 x (2.5 ... 25 mm²)
● stranded	2 x (2.5 ... 25 mm²)
● finely stranded with core end processing	2 x (2.5 ... 16 mm²)
● finely stranded without core end processing	2 x (2.5 ... 16 mm²)
type of connectable conductor cross-sections for AWG cables	
● for supply for main contacts using the upper clamping point	12 ... 2
● for supply for main contacts using the lower clamping point	12 ... 2
● for supply for main contacts using both clamping points	2 x (16 ... 2)
● for main contacts for load-side outgoing feeder	2 x (16 ... 10), 1 x (16 ... 8)

Certificates/ approvals

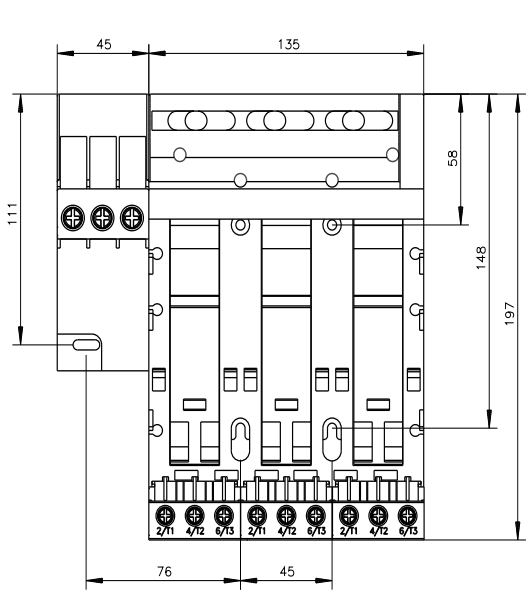
General Product Approval				EMV	Test Certificates
UL	EAC	CE EG-Konf.	UKCA	RCM	Type Test Certificates/Test Report

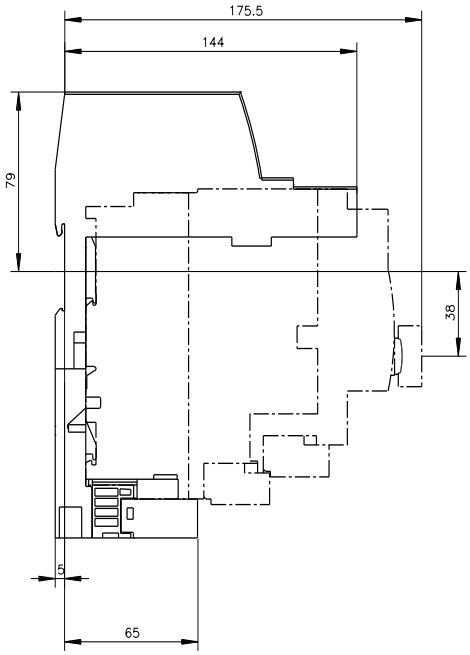
other			Environment
Confirmation	Confirmation	产品合格 QC PASS	Environmental Confirmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3RA6812-8AB
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=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, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA6812-8AB&lang=en

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