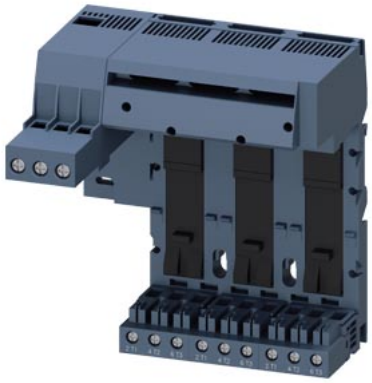
SIEMENS

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 to 5.8 Hz; d = 15 mm; f = 5.8 to 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 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)

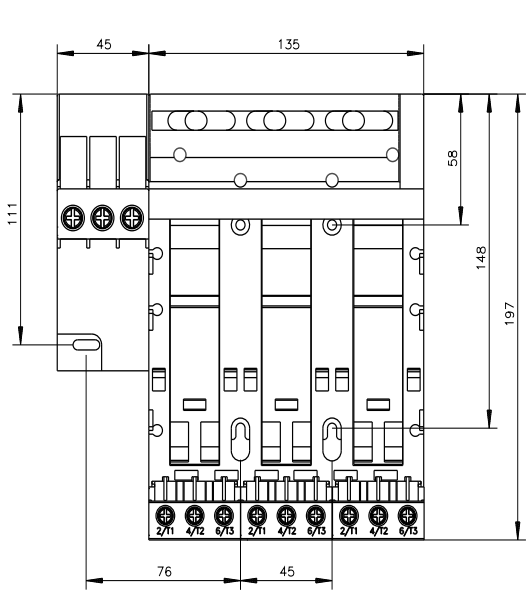
Certificates/ approvals

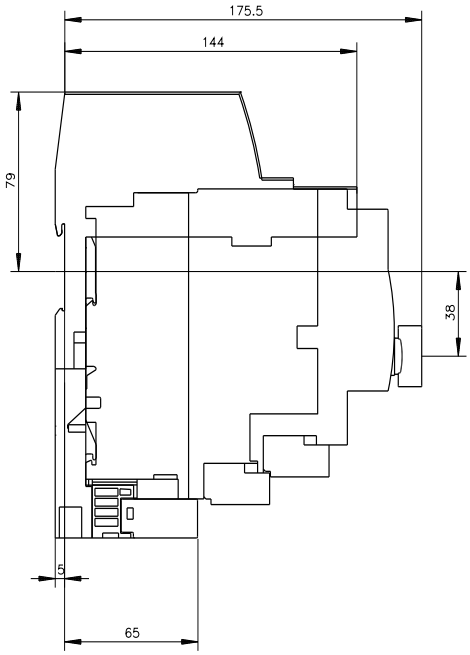
General Product Approval	EMC	Declaration of Conformity	Test Certificates
Confirmation			Type Test Certificates/Test Report

Marine / Shipping	other
	Confirmation

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
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
http://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, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA6812-8AB&lang=en





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