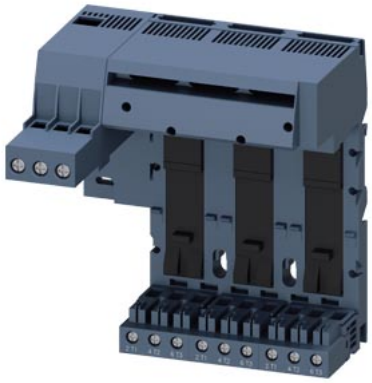
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Data sheet 3RA6812-8AB



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 acc. to IEC 60529		IP20; IP20 with box terminal/cover
touch protection on the front acc. 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		
● acc. to IEC 81346-2		W
● acc. to DIN 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

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• 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 at 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

Miscellaneous

Test Certificates	Shipping Approval

Type Test Certificates/Test Report

Shipping Approval	other

Confirmation

Safety related data

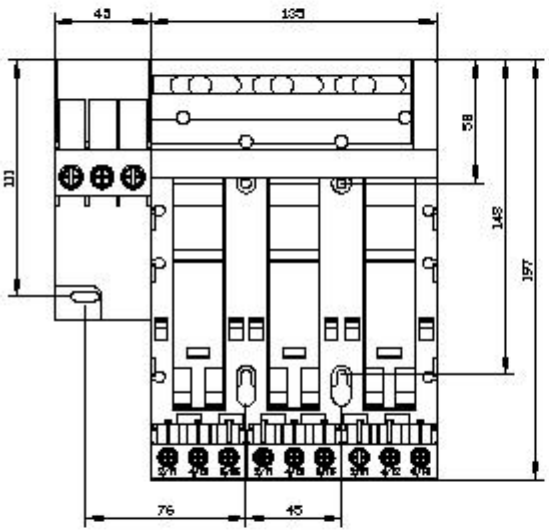
touch protection against electrical shock		finger-safe

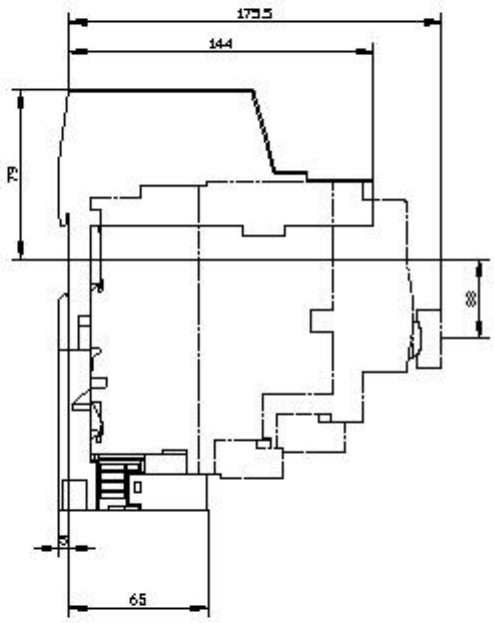
Further information

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=3RA6812-8AB
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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, ...)

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