



PE PICK OFF,
CONNECTION MAIN CIRCUIT: SCREW TERMINAL,

General technical data:		
product brand name		SIRIUS
product designation		PE pick-up
Protection class IP		IP20
Degree of pollution		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
Resistance against vibration		f = 4 to 5.8 Hz; d = 15 mm; f = 5.8 to 500 Hz; a = 2 m / s ² 10 cycles
Resistance against shock		Semi-sinusoidal a = 6 m/s ² at 10 ms; 3 pos. and 3 neg. Shock in all axes
Item designation		
• according to DIN EN 61346-2		X
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		X
Main circuit:		
Operating current / at 400 V / for AC		

• rated value

A

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Installation/mounting/dimensions:

Type of mounting		plug-in fixing
Width	mm	15
Height	mm	60
Depth	mm	32

Connections:

Design of the 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	10
Tightening torque / for main contacts • with screw-type terminals	N·m	2 ... 2.5
Conductor cross-section that can be connected / for main contacts / for motor outgoing line • unifilar • stranded wire • finely stranded • with conductor end p • without conductor fi	mm ² mm ² mm ² mm ²	1.5 ... 10 1.5 ... 10 1.5 ... 6 1.5 ... 6
Type of the connectable conductor cross-section / for main contacts / for motor outgoing line • solid • stranded • stranded wire • with conductor end processing		2x (1.5 ... 6 mm ²), 1x (1.5 ... 10 mm ²) 2x (1.5 ... 6 mm ²), 1x (1.5 ... 10 mm ²) 2 x (1.5 ... 6) mm ²
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

EMC



CSA



GOST



UL



C-TICK

Shipping Approval



other

[Declaration of
Conformity](#)

[other](#)

[Environmental
Confirmations](#)

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

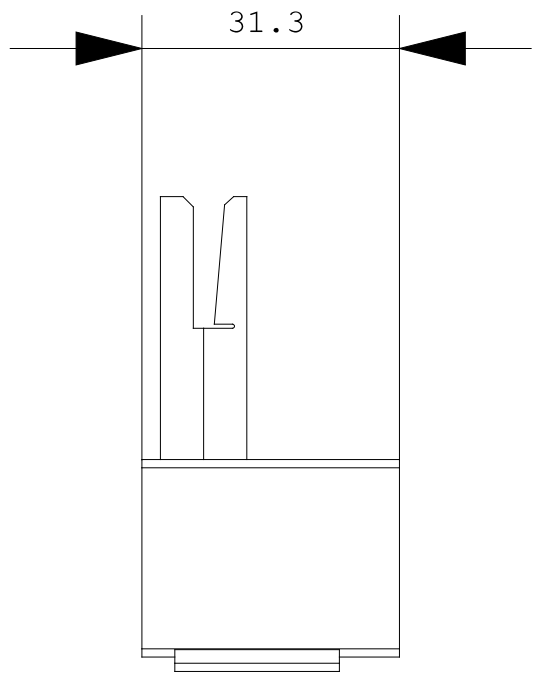
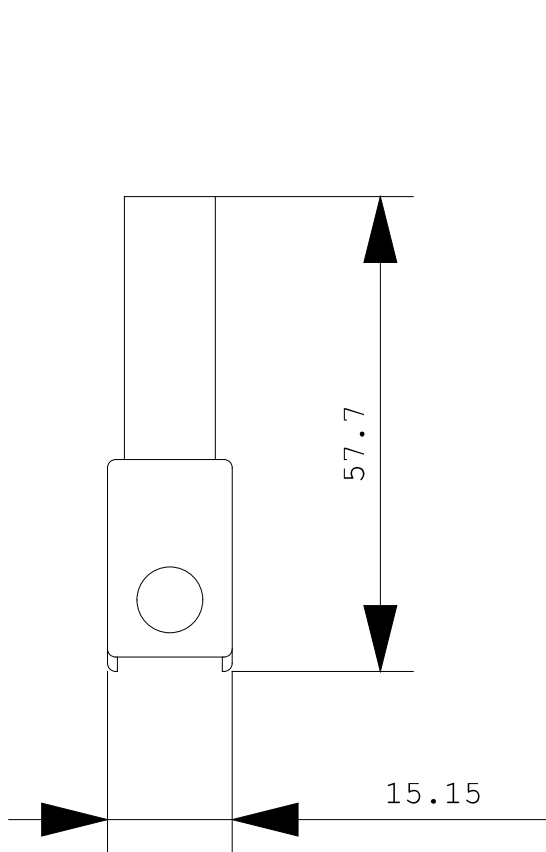
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3RA6870-4AB/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA6870-4AB



last change:

Jul 1, 2013