SIEMENS

## Data sheet 3RA6860-6AB



PE infeed Connection main circuit: screw terminal
Connection terminal maximum 25 mm2 / 35 mm2

| | | |
|---|---|---|
| **General technical data** | | |
| **product brand name** | | SIRIUS |
| **product designation** | | PE infeed |
| **protection class IP on the front acc. to IEC 60529** | | IP00 |
| **degree of pollution** | | 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 |
| **Installation/ mounting/ dimensions** | | |
| **fastening method** | | plug-in fixing |
| **width** | mm | 32 |
| **height** | mm | 65 |
| **depth** | mm | 70 |
| **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** | | |


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| | | |
|---|---|---|
| **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) |

## Certificates/ approvals

| General Product Approval | EMC | Declaration of Conformity |
|---|---|---|

CSA UL EAC RCM EG-Konf.

Miscellaneous

| Test Certificates | Shipping Approval |
|---|---|

Type Test Certificates/Test Report

ABS BUREAU VERITAS Lloyd's Register LRS PRS RINA

| Shipping Approval | other |
|---|---|

RMRS

Confirmation

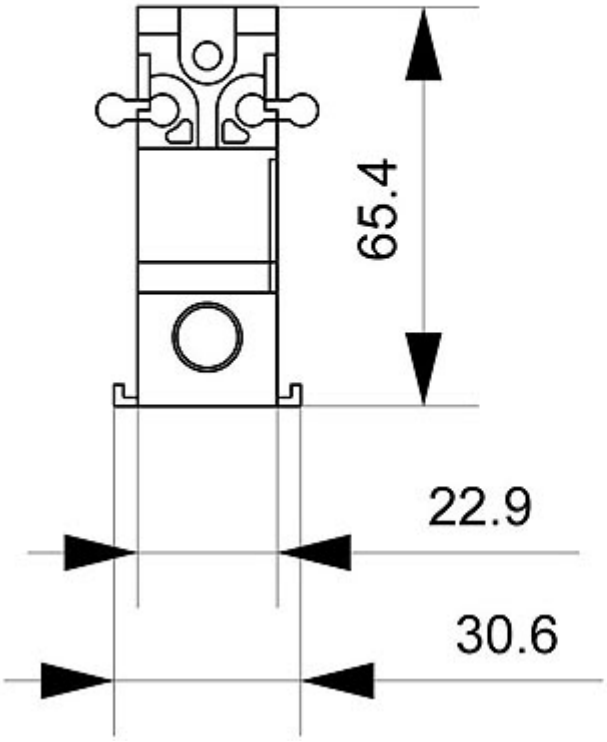
## Safety related data

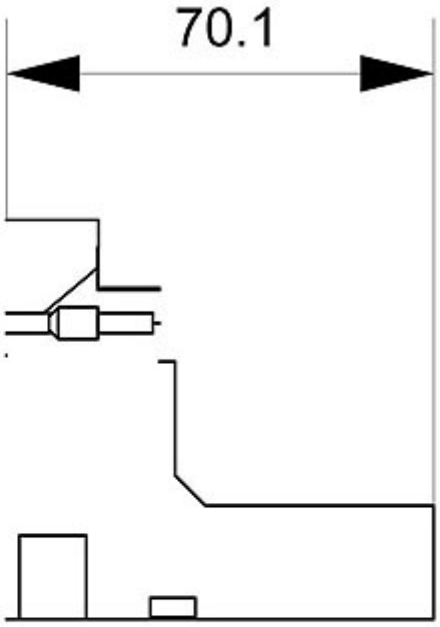
| | | |
|---|---|---|
| **touch protection against electrical shock** | | finger-safe |

## 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=3RA6860-6AB
**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA6860-6AB
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3RA6860-6AB
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA6860-6AB&lang=en


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