



SIRIUS, EXPANSION MODULE 3RK33 FOR MODULAR SAFETY SYSTEM 3RK3 8DO, 24V DC/0.5A PARAMETERIZABLE VIA SW MSS ES WIDTH 22.5MM SCREW-TYPE TERMINAL WITHOUT CONNECTING CABLE

| General technical data: | | |
|---|----|---|
| product brand name | | SIRIUS |
| Product designation | | Modular Safety System 3RK3 |
| Design of the product | | extension module 8 DO |
| Protection class IP | | IP20 |
| Shock resistance | | 15g / 11 ms |
| Degree of pollution | | 3 |
| mounting position | | vertical |
| Installation altitude at height above sea level maximum | m | 2 000 |
| Ambient temperature | | |
| • during storage | °C | -40 ... +85 |
| • during operation | °C | -20 ... +60 |
| • during transport | °C | -40 ... +85 |
| Relative humidity during operation | % | 10 ... 95 |
| Conducted interference due to burst acc. to IEC 61000-4-4 | | 2 kV (power ports) |
| Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5 | | 2 kV |
| Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5 | | 1 kV |
| Electrostatic discharge acc. to IEC 61000-4-2 | | 4 kV contact discharge / 8 kV air discharge |
| Field-bound parasitic coupling acc. to IEC 61000-4-3 | | 10 V/m, 3 V/m, 1 V/m |
| Surge voltage resistance Rated value | V | 500 |
| Insulation voltage Rated value | V | 50 |

| | | |
|---|--|----|
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | | K |
| Equipment marking acc. to DIN EN 61346-2 | | K |
| Product function | | |
| • EMERGENCY OFF function | | No |
| • protective door monitoring | | No |
| • evaluation: electro-sensitive protective equipment | | No |
| • evaluation: selector switch | | No |
| • Pressure-sensitive mat monitoring | | No |
| • evaluation: two-hand operator panel | | No |
| • evaluation: enabling switch | | No |
| • monitored start-up | | No |

Control circuit/ Control:

| | | |
|--|---|---------------|
| Type of voltage | | DC |
| Control supply voltage 1 for DC Rated value | V | 24 |
| Operating range factor control supply voltage rated value of the magnet coil | | 0.85 ... 1.15 |

Auxiliary circuit:

| | | |
|--|--|-----|
| Product function | | |
| • Parameterizable outputs | | Yes |
| Number of inputs | | |
| • safety-related | | 0 |
| • non-safety-related | | 0 |
| Number of outputs | | |
| • as contact-affected switching element safety-related | | |
| — 1-channel | | 0 |
| — 2-channel | | 0 |
| • as contact-less semiconductor switching element | | |
| — safety-related 2-channel | | 0 |
| — non-safety-related 2-channel | | 0 |
| • for testing contact-based sensors | | 0 |

Installation/ mounting/ dimensions:

| | | |
|----------------------|----|---------------|
| Mounting type | | standard rail |
| Width | mm | 22.5 |
| Height | mm | 102 |
| Depth | mm | 124 |

Connections/ Terminals:

| | | |
|---|-----------------|----------------------|
| Product function removable terminal for auxiliary and control circuit | | Yes |
| Type of electrical connection for auxiliary and control current circuit | | screw-type terminals |
| Connectable conductor cross-section for auxiliary contacts | | |
| <ul style="list-style-type: none"> • single or multi-stranded | mm ² | 0.5 ... 4 |
| <ul style="list-style-type: none"> • finely stranded — with core end processing | mm ² | 0.5 ... 2.5 |

Certificates/ approvals:

| | |
|--------------------------|-----|
| General Product Approval | EMC |
|--------------------------|-----|



CCC



CSA



GOST



UL



C-TICK

| | | | |
|---------------------------------------|---------------------------|-------------------|-------|
| Functional Safety/Safety of Machinery | Declaration of Conformity | Test Certificates | other |
|---------------------------------------|---------------------------|-------------------|-------|

[other](#)



EG-Konf.

[Special Test Certificate](#)

[Confirmation](#)

[Environmental Confirmations](#)



Profibus

Safety related data:

| | |
|-------------------------------------|-------------|
| 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/industrymall>

Cax online generator

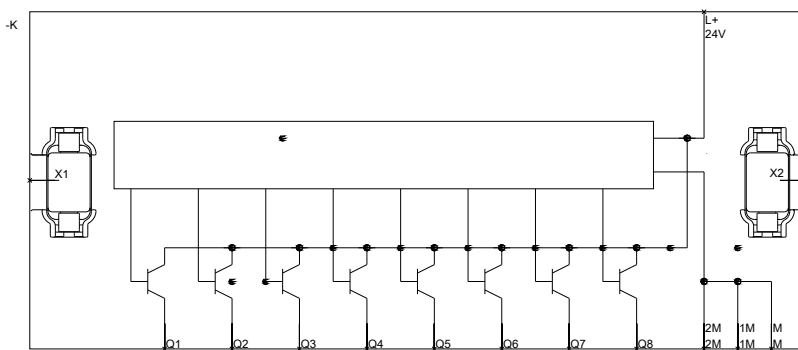
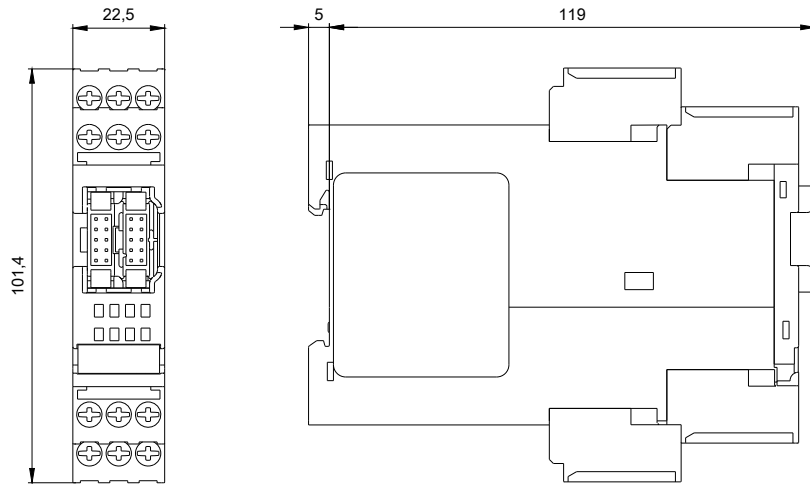
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK33111AA10>

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

<http://support.automation.siemens.com/WW/view/en/3RK33111AA10/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK33111AA10&lang=en>



last modified:

15.01.2015