

SIRIUS, Extension module 3RK33 for modular Safety system
 3RK3 8 DO, 24 V DC/0.5 A Can be parameterized via MSS
 ES 22.5 mm overall width Spring-type terminal without
 connection cable

General technical data

product brand name		SIRIUS
product category		Modular Safety System
product designation		Expansion module
design of the product		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 according to IEC 61000-4-4		2 kV (power ports)
conducted interference due to conductor-earth surge according to IEC 61000-4-5		2 kV
conducted interference due to conductor-conductor surge according to IEC 61000-4-5		1 kV
electrostatic discharge according to IEC 61000-4-2		4 kV contact discharge / 8 kV air discharge
field-based interference according 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
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		K
reference code according to 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 at DC rated value	V	24
operating range factor control supply voltage rated value of magnet coil		0.85 ... 1.15

Auxiliary circuit

product function		Yes
<ul style="list-style-type: none"> parameterizable outputs 		
number of inputs		0
<ul style="list-style-type: none"> safety-related non-safety-related 		0
number of outputs		0
<ul style="list-style-type: none"> as contact-affected switching element safety-related <ul style="list-style-type: none"> single channel 2-channel as contact-less semiconductor switching element <ul style="list-style-type: none"> safety-related 2-channel non-safety-related 2-channel for testing contact-based sensors 		0

Installation/ mounting/ dimensions

fastening method		DIN rail
width	mm	22.5
height	mm	105
depth	mm	124

Connections/ Terminals

type of electrical connection		spring-loaded terminals
connectable conductor cross-section for auxiliary contacts		
<ul style="list-style-type: none"> solid or stranded 	mm ²	0.25 ... 1.5
<ul style="list-style-type: none"> finely stranded <ul style="list-style-type: none"> with core end processing without core end processing 	mm ²	0.25 ... 1.5

Certificates/ approvals

General Product Approval	EMC	Functional Safety/Safety of Machinery
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[Confirmation](#)



[Miscellaneous](#)

Declaration of Conformity



[Type Test Certificates/Test Report](#)

[Confirmation](#)

Safety related data

touch protection against electrical shock	finger-safe
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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=3RK3311-2AA10>

Cax online generator

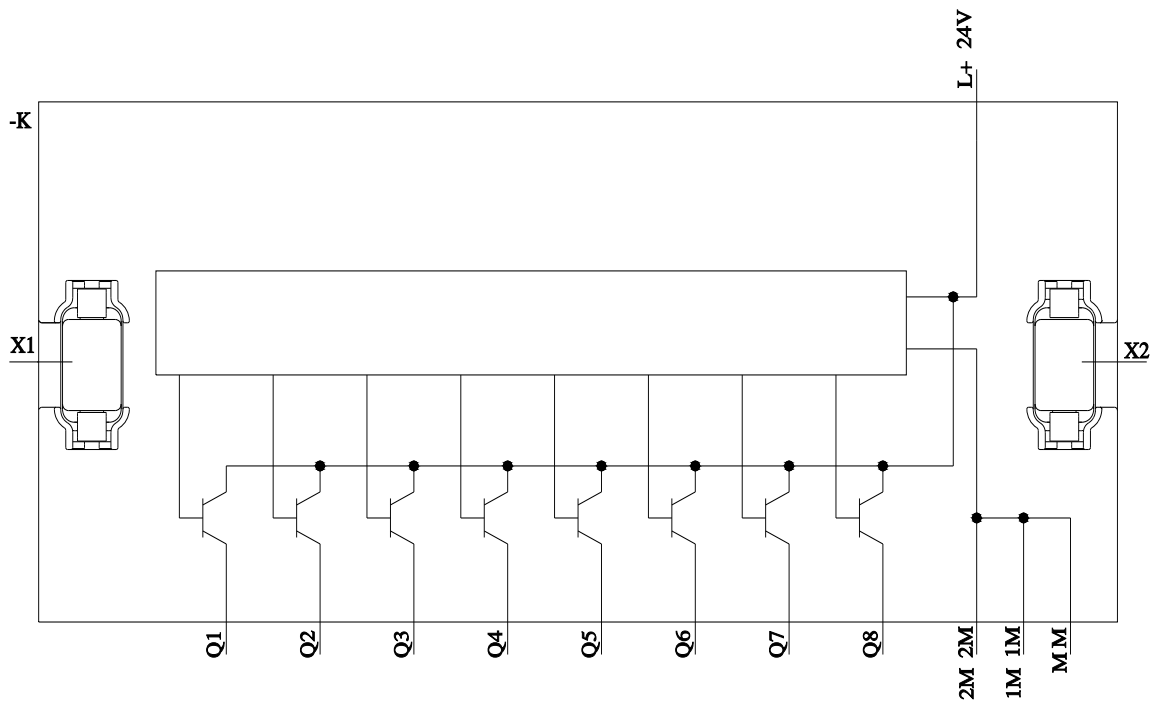
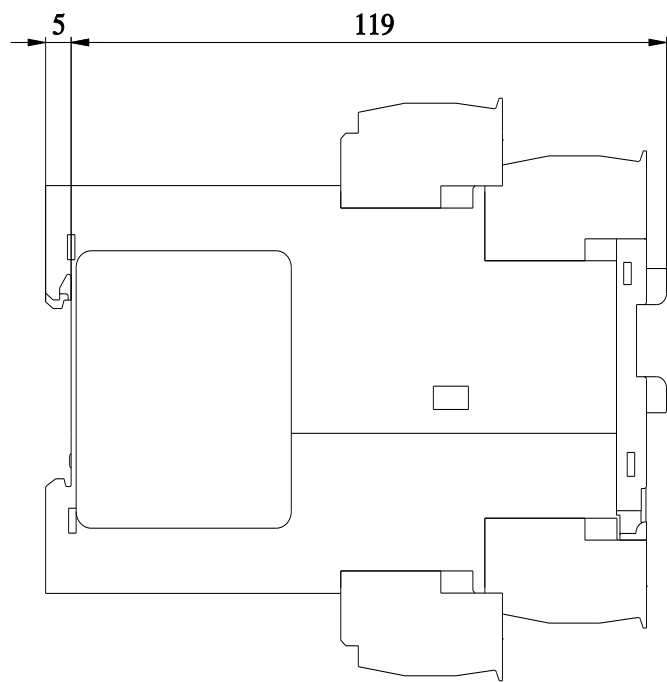
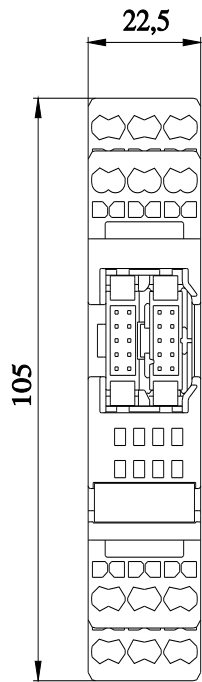
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK3311-2AA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK3311-2AA10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK3311-2AA10&lang=en



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