

SIRIUS, Extension module 3RK33 for modular Safety system
3RK3 8 DI, 24 V DC 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 DI
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		Yes
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		No
parameterizable outputs		
number of inputs		
safety-related		0
non-safety-related		8
number of outputs		
- as contact-affected switching element safety-related - single channel 2-channel		0
		0
- as contact-less semiconductor switching element - safety-related 2-channel - non-safety-related 2-channel		0
		0
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		
solid or stranded	mm ²	0.25 ... 1.5
- finely stranded - with core end processing - without core end processing	mm ²	0.25 ... 1.5
	mm ²	0.25 ... 1.5
Certificates/ approvals		
General Product Approval	EMC	Functional Safety/Safety of Machinery



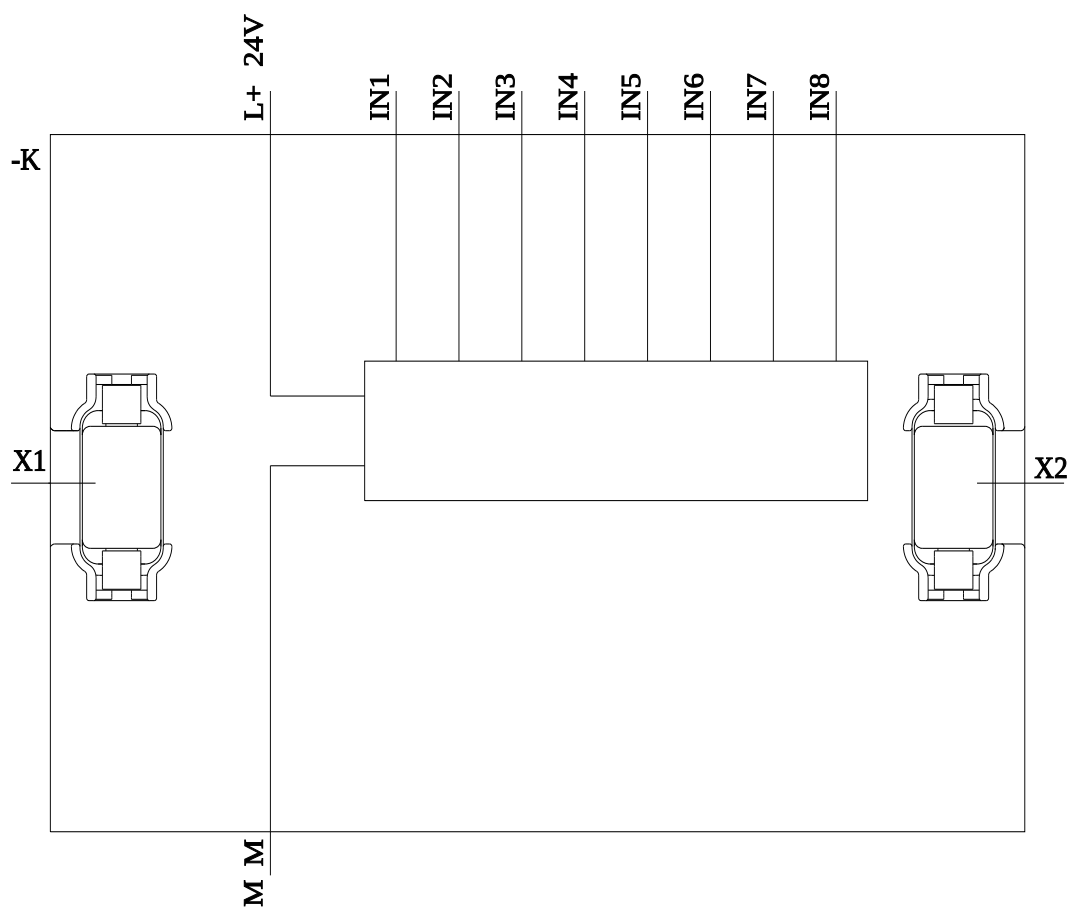
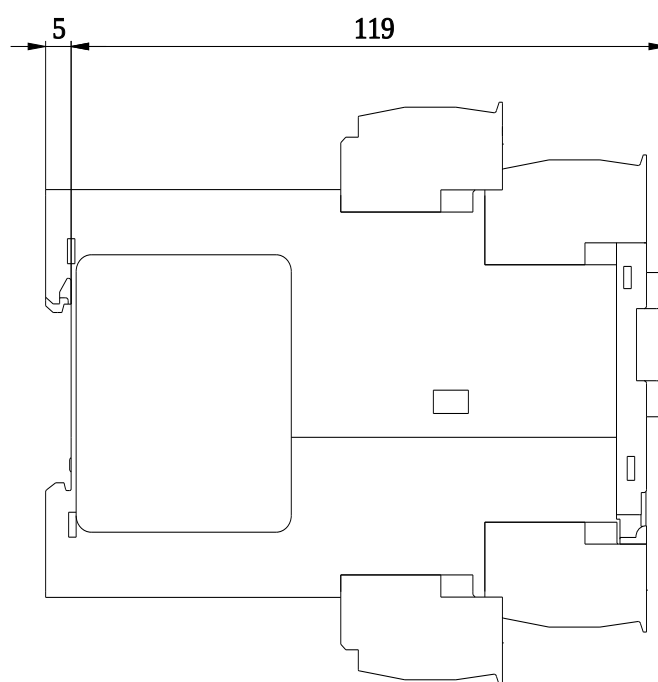
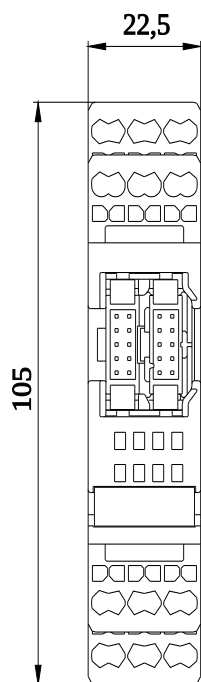
[Confirmation](#)



[Miscellaneous](#)

Declaration of Conformity	Test Certificates	other
		Type Test Certificates/Test Report
		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=3RK3321-2AA10		
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK3321-2AA10		
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK3321-2AA10		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK3321-2AA10&lang=en		



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