



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 screw 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		K
according to IEC 204-2 according to IEC 750		
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		
<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 0 0 0 0
Installation/ mounting/ dimensions		
fastening method		DIN rail
width	mm	22.5
height	mm	102
depth	mm	124
Connections/ Terminals		
type of electrical connection		screw-type terminals
connectable conductor cross-section for auxiliary contacts		
<ul style="list-style-type: none"> solid or stranded finely stranded — with core end processing 	mm ² mm ²	0.5 ... 4 0.5 ... 2.5
Certificates/ approvals		
General Product Approval	EMC	Functional Safety/Safety of Machinery



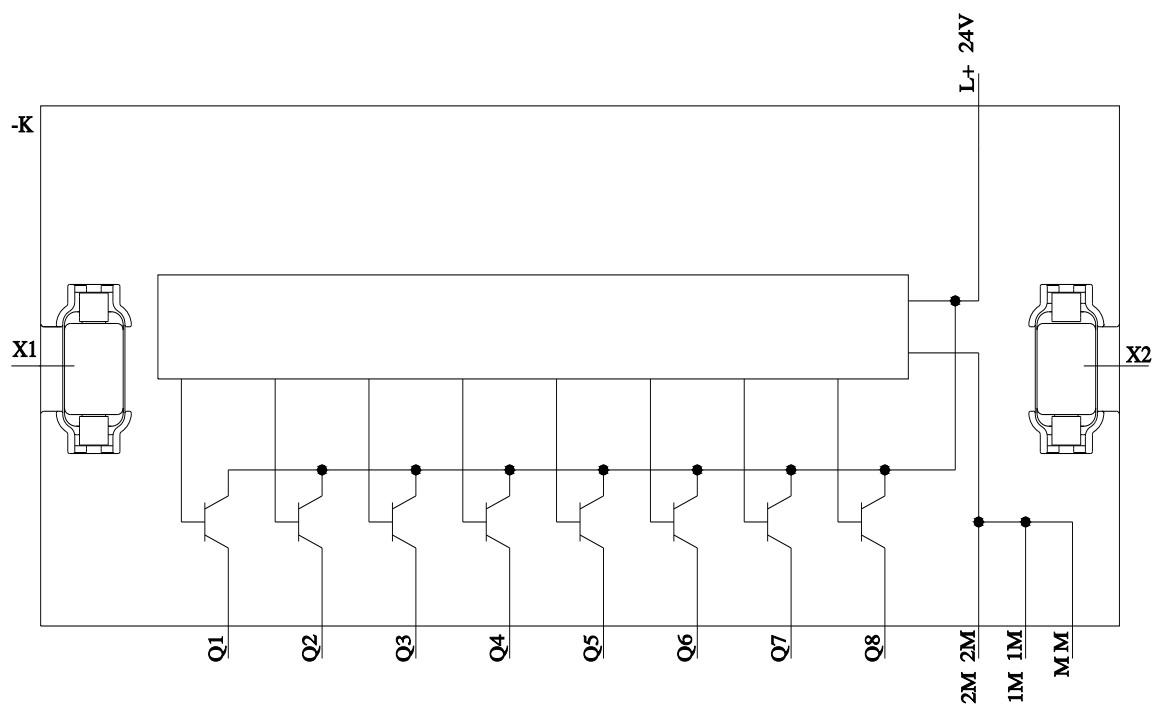
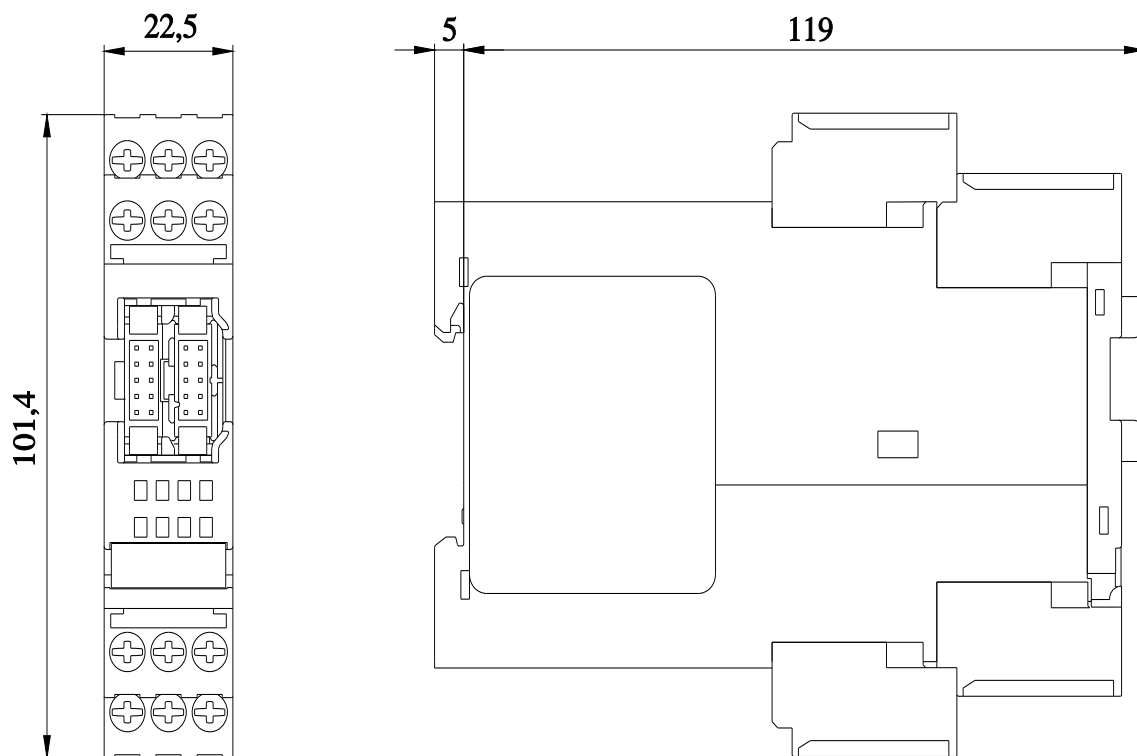
[Confirmation](#)



[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=3RK3311-1AA10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK3311-1AA10 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK3311-1AA10 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK3311-1AA10&lang=en		



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