



SIRIUS, Extension module 3RK32 for modular Safety system 3RK3 4/8 F-DI, 24 V DC Can be parameterized via MSS ES 22.5 mm overall width screw terminal Up to SIL3 (IEC 61508) Up to Performance Level E (ISO 13849-1) without connection cable

<b>product brand name</b>	SIRIUS
<b>product category</b>	Modular Safety System
<b>design of the product</b>	4/8 F-DI
<b>product function</b>	
• EMERGENCY OFF function	Yes
• protective door monitoring	Yes
• evaluation: electro-sensitive protective equipment	Yes
• evaluation: selector switch	Yes
• evaluation: two-hand operator panel	Yes
• evaluation: enabling switch	Yes
• monitored start-up	Yes
<b>insulation voltage rated value</b>	50 V
<b>degree of pollution</b>	3
<b>surge voltage resistance rated value</b>	500 V
<b>protection class IP</b>	IP20
<b>shock resistance</b>	15g / 11 ms
<b>vibration resistance according to IEC 60068-2-6</b>	5 ... 500 Hz: 0.75 mm
<b>reference code according to IEC 81346-2</b>	K
<b>Substance Prohibitance (Date)</b>	05/01/2012
installation altitude at height above sea level maximum	2 000 m
relative humidity during operation	10 ... 95 %
<b>Electromagnetic compatibility</b>	
<b>conducted interference</b>	
• due to burst according to IEC 61000-4-4	2 kV (power ports)
• due to conductor-earth surge according to IEC 61000-4-5	2 kV
• due to conductor-conductor surge according to IEC 61000-4-5	1 kV
<b>field-based interference according to IEC 61000-4-3</b>	10 V/m, 3 V/m, 1 V/m
<b>electrostatic discharge according to IEC 61000-4-2</b>	4 kV contact discharge / 8 kV air discharge
<b>Safety related data</b>	
<b>Safety Integrity Level (SIL)</b>	
• according to IEC 62061	3
• according to IEC 61508	3
<b>performance level (PL) according to ISO 13849-1</b>	e
category according to EN ISO 13849-1	4
PFHD with high demand rate according to EN 62061	1.89E-9 1/h
<b>Average probability of failure on demand (PFDavg) with low demand rate acc. to IEC 61508</b>	4.29E-6 1/y
<b>touch protection against electrical shock</b>	finger-safe
<b>category according to EN 954-1</b>	4
<b>design of the fuse link for short-circuit protection of non-</b>	NH Typ 3NA, DIAZED Typ 5SB, NEOZED Typ 5SE

<b>solid-state switching element required</b>	
<b>Inputs/ Outputs</b>	
<b>product function</b>	
• parameterizable outputs	No
<b>number of inputs</b>	
• safety-related	8
• non-safety-related	0
number of outputs for testing contact-based sensors	2
number of outputs as contact-affected switching element safety-related	
• single channel	0
• 2-channel	0
<b>number of outputs as contact-less semiconductor switching element</b>	
• safety-related 2-channel	0
• non-safety-related	0
<b>type of voltage</b>	DC
control supply voltage 1 at DC rated value	24 V
<b>mounting position</b>	vertical
<b>fastening method</b>	DIN rail
<b>height</b>	102 mm
<b>width</b>	22.5 mm
<b>depth</b>	124 mm
<b>type of electrical connection</b>	screw-type terminals

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3RK3211-1AA10>

Cax online generator

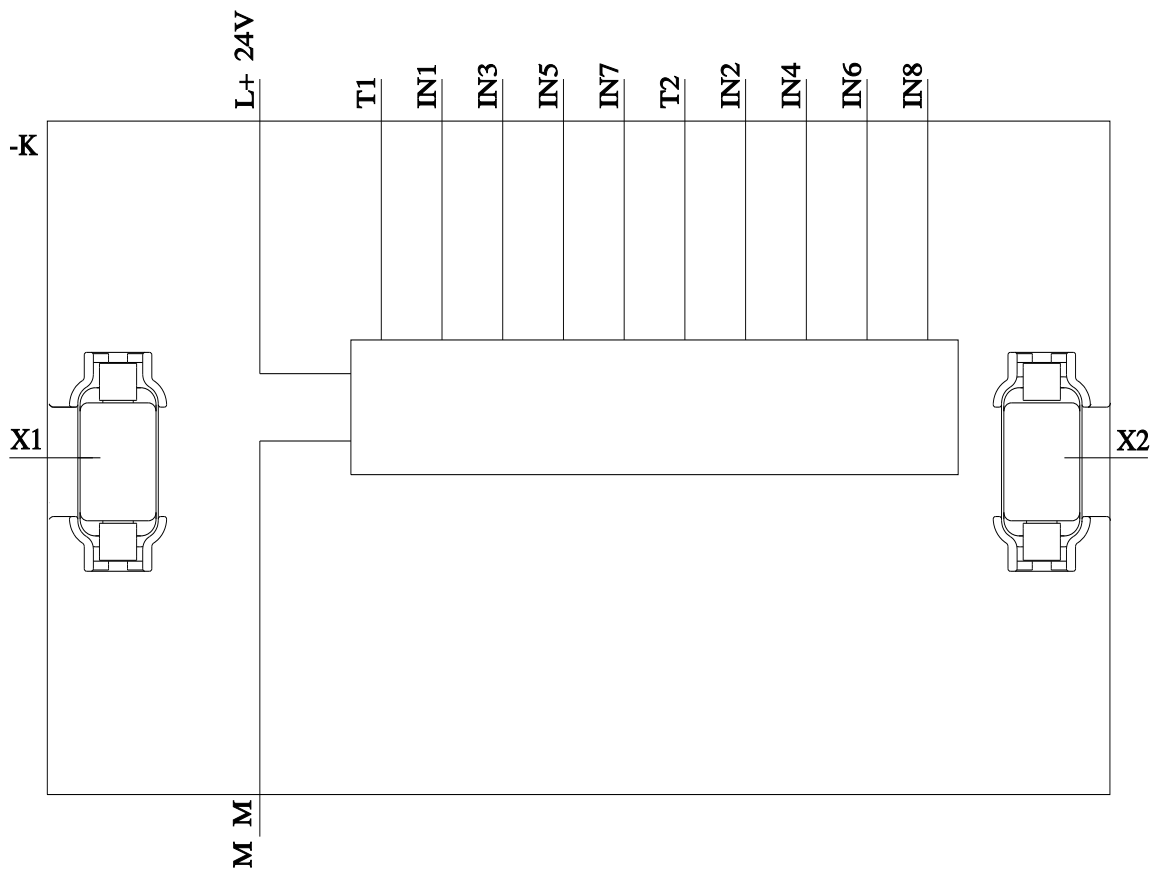
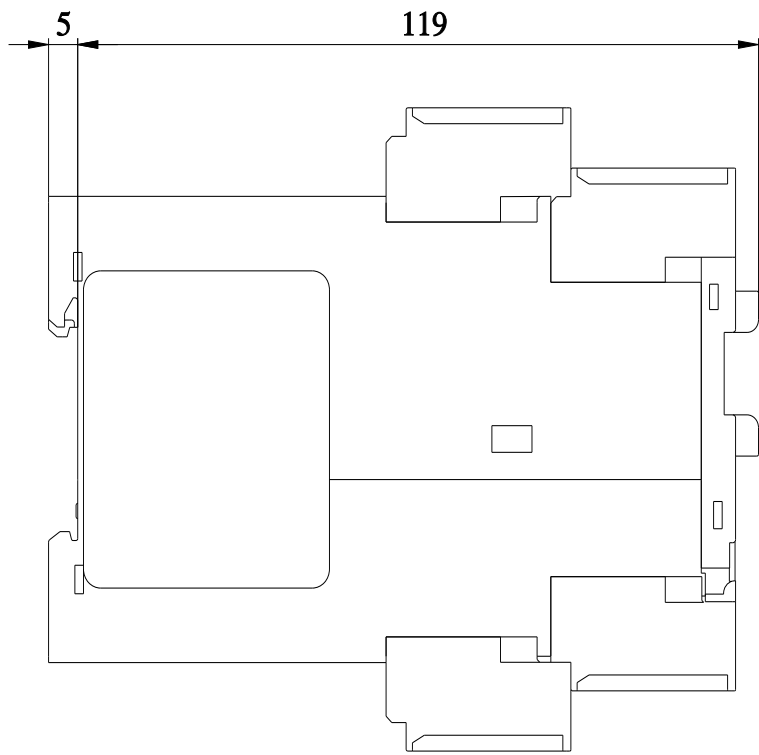
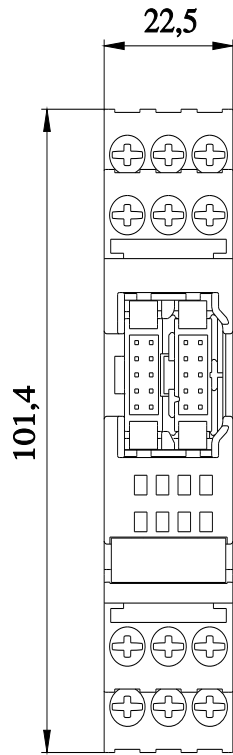
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK3211-1AA10>

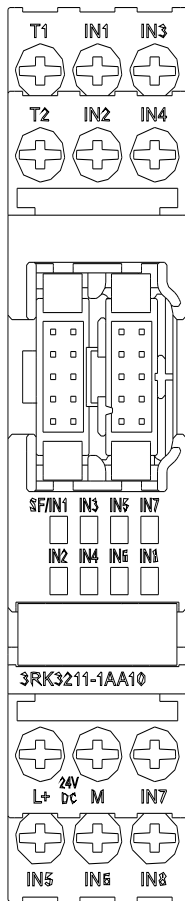
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK3211-1AA10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK3211-1AA10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK3211-1AA10&lang=en)





last modified:

11/21/2022 