SIEMENS

Data sheet

3RK3251-1AA10

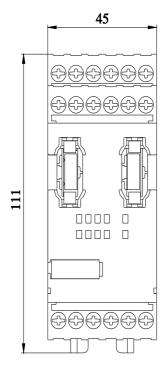


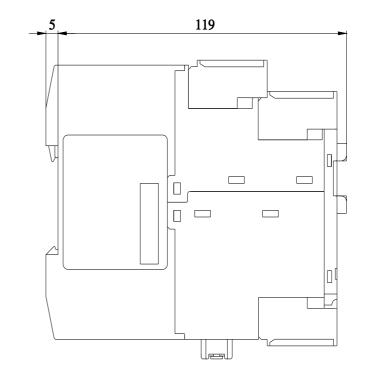
SIRIUS, Extension module 3RK32 for modular Safety system 3RK3 4/8 F-RO, 24 V DC/1 A Can be parameterized via MSS ES 45 mm overall width screw terminal Up to SIL3 (IEC 61508) Up to Performance Level E (ISO 13849-1) without connection cable

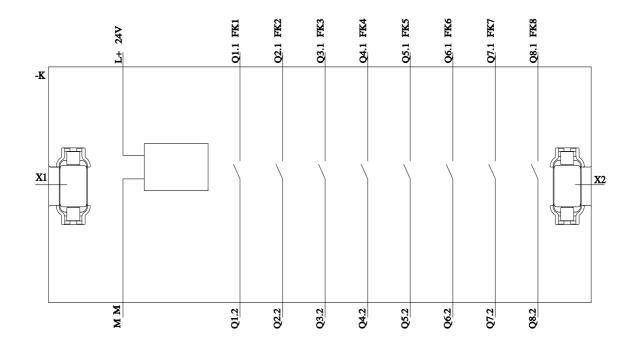
General technical data					
product brand name		SIRIUS			
product category		Modular Safety System			
product designation		Expansion module			
design of the product		4/8 F-RO			
protection class IP		IP20			
shock resistance		15g / 11 ms			
degree of pollution		3			
mounting position		vertical			
installation 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	4 000			
insulation voltage rated value	V	300			
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		К			
reference code according to EN 61346-2		К			
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					
 parameterizable outputs 		Yes			
number of inputs					
safety-related		0			
non-safety-related		0			
number of outputs					
 as contact-affected switching element safety-related 		0			
— single channel — 2-channel		8 0			
 as contact-less semiconductor switching element 		0			
- safety-related 2-channel		0			
— non-safety-related 2-channel		0			
 for testing contact-based sensors 		0			
Short-circuit protection					
lesign of the fuse link for short-circuit protection of NH Typ 3NA, DIAZED Typ 5SB, NEOZED Typ 5SE non-solid-state switching element required					
Installation/ mounting/ dimensions					
fastening method		DIN rail			
width	mm	45			
height	mm	111			
depth	mm	124			
Connections/ Terminals					
type of electrical connection		screw-type terr	ninals		
connectable conductor cross-section for auxiliary					
contacts					
 solid or stranded 	mm²	0.5 4			
 finely stranded 					
— with core end processing	mm²	0.5 2.5			
Certificates/ approvals					
General Product Approval				EMC	
				EMC	
General Product Approval		Ē	ror	EMC	
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Confirmation Generation Functional Safety/Safety of Machinery Declaration of the construction of the constructio	1/h 1/y	С Є EG-Konf. 3 е 4 0.000000072 0.000044	Type Test Certific-	RCM other	
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Confirmation Examination Certificate Declaration Type Examination Certificate Miscellaneous Type Examination Certificate Miscellaneous Safety related data ECC Safety Integrity Level (SIL) according to IEC 61508 performance level (PL) according to EN ISO 13849-1 category according to EN 954-1 PFHD with high demand rate according to EN 62061 Average probability of failure on demand (PFDavg) with low demand rate acc. to IEC 61508 T1 value for proof test interval or service life according to IEC 61508 touch protection against electrical shock Eurther 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/produce	1/h 1/y y	3 e 4 0.000000072 0.000044 20 finger-safe	Type Test Certific-	RCM other	
Confirmation Eurocional Safety/Safety of Machinery Declaration of the construction of	1/h 1/y y)	C C C EG-Konf. 3 e 4 0.0000000072 0.000044 20 finger-safe 251-1AA10	Type Test Certific- ates/Test Report	RCM other	

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK3251-1AA10 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK3251-1AA10&lang=en







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