SIEMENS

Data sheet 3RK1205-0BE00-2AA2



ASIsafe SlimLine Compact module SC17.5F digital safety 2 F-DI, IP20 2 x input for mechanical sensors Screw terminals Width 17.5 mm

product designation	Slimline Compact I/O module for use in the control cabinet
design of the product	AS-i SC17.5F, 2F-DI
product type designation	3RK1
design of the device type	standard slave
AS-Interface device profile	S-0.B.F
ID1 code	F; Factory setting, changeable
operating voltage according to AS-Interface specification	18 ... 31.6 V
product function suitable for AS-i Power24V	Yes
consumed current from profile conductors of the AS-Interface	
● at 30 V maximum	50 mA
● at 24 V with AS-i Power24V maximum	50 mA
type of address setting of the AS-i devices	via front addressing socket
Substance Prohibitance (day/month/year)	05/01/2012
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1
Net Weight	0.12 kg
reference code	
● according to EN 61346-2	K
● according to DIN 40719 extended according to IEC 204-2 according to IEC 750	A
shock resistance	15 g / 11 ms (modules) or 10 g / 11 ms (modules with device connector)
Digital Inputs	
number of digital inputs	0
number of digital inputs safety-related	2
type of input characteristic	mechanical contacts
Digital Outputs	
number of digital outputs	0
Analog inputs	
number of analog inputs	0
Analog outputs	
number of analog outputs	0
IEC 62061	
PFHD with high demand rate according to IEC 62061	4.5E-9 1/h
ISO 13849	
performance level (PL) according to EN ISO 13849-1	e
category according to EN ISO 13849-1	up to Category 4

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IEC 61508	
Safety Integrity Level (SIL) according to IEC 61508	3
PFDavg with low demand rate according to IEC 61508	5E-6
Safe failure fraction (SFF)	99 %
T1 value for proof test interval or service life according to IEC 61508	20 a
Device connector	
ampacity of the interface to the device connector	
● for AS-Interface	2 A
Installation/ mounting/ dimensions	
fastening method	screw and snap-on mounting
height	100 mm
width	17.5 mm
depth	120 mm
Ambient conditions	
ambient temperature	
● during operation	-25 ... +70 °C
● during storage	-40 ... +85 °C
Connections/ Terminals	
type of electrical connection of the inputs and outputs	Screw terminals
type of connectable conductor cross-sections	
● solid	1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)
● finely stranded with core end processing	1x (0.25 ... 2.5 mm²), 2x (0.25 ... 1.0 mm²)
● finely stranded without core end processing	Not permitted
● for AWG cables solid	1x (24 ... 14), 2x (24 ... 16)
● for AWG cables stranded	Not permitted

Approvals Certificates

Environment	General Product Approval				EMV
Environmental Confirmations	cULus	EAC	CE EG-Konf.	UKCA	RCM

Test Certificates	Maritime application			other	
Type Test Certificates/Test Report	ABS	DNV	LRS	Confirmation	产品合格 QC PASS

Industrial Communication

ASi

Further information

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).

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875

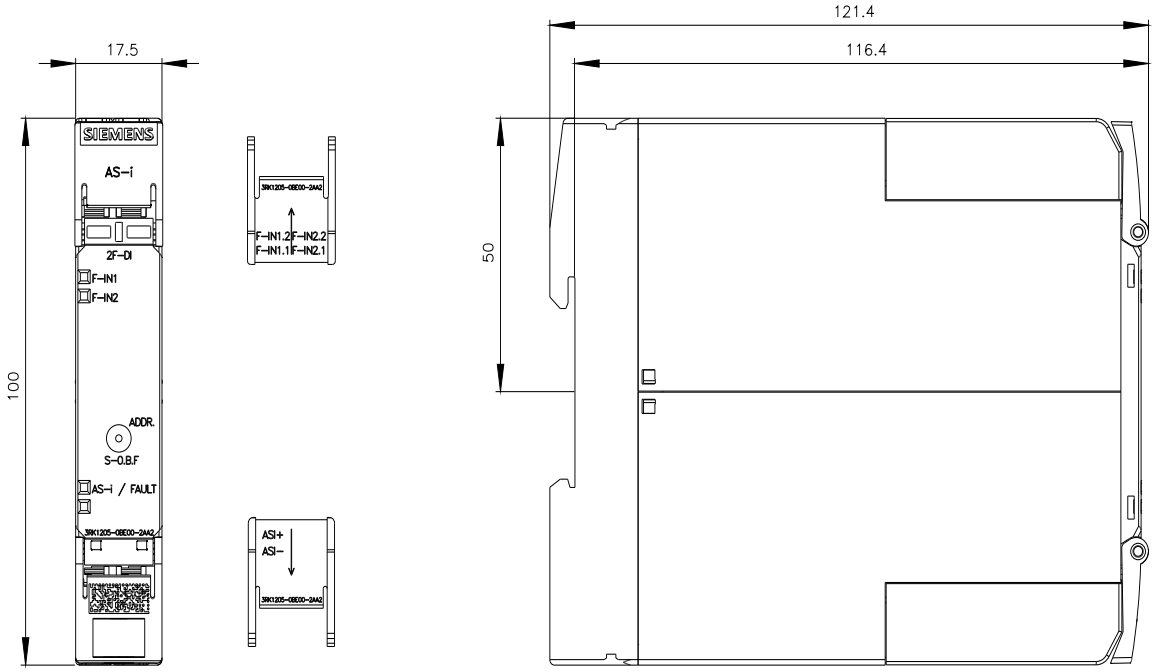
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012

Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

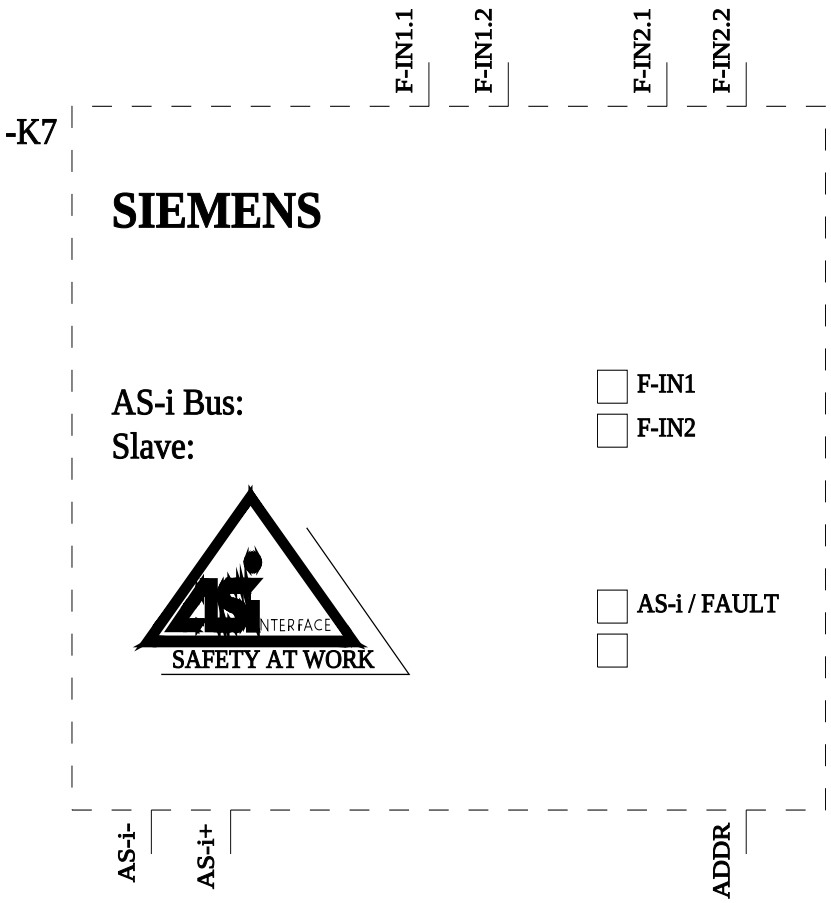
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1205-0BE00-2AA2

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Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1205-0BE00-2AA2
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1205-0BE00-2AA2
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1205-0BE00-2AA2&lang=en



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