



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 design of the product

Slimline Compact I/O module for use in the control cabinet
AS-i SC17.5F, 2F-DI

General technical data

protection class IP	IP20
design of the slave type	standard slave
AS-Interface slave 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
protocol is supported AS-Interface protocol	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 AS-i slaves	via front addressing socket
display version	
• as status display of the inputs/outputs	Yellow LED
• for AS-Interface	LED green/red
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	15g / 11 ms (modules) or 10g / 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
--------------------------	---

Safety related data

Safety Integrity Level (SIL) according to IEC 61508	3
performance level (PL) according to EN ISO 13849-1	e
category according to EN ISO 13849-1	up to Category 4
Safe failure fraction (SFF)	99 %
PFHD with high demand rate according to EN 62061	0.0000000045 1/h
PFDavg with low demand rate according to IEC 61508	0.000005

T1 value for proof test interval or service life according to IEC 61508		20 y
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 - during storage		-25 ... +70 °C -40 ... +85 °C
Connections/ Terminals		
type of electrical connection of the inputs and outputs		Screw terminals
type of connectable conductor cross-sections - solid - finely stranded with core end processing - finely stranded without core end processing - at AWG cables solid - at AWG cables stranded		1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²) 1x (0.25 ... 2.5 mm²), 2x (0.25 ... 1.0 mm²) Not permitted 1x (20 ... 14), 2x (18 ... 16) Not permitted
Certificates/ approvals		
General Product Approval		EMC
		Functional Safety/Safety of Machinery
Confirmation   Miscellaneous		
Declaration of Conformity	Test Certificates	Marine / Shipping
Type Test Certificates/Test Report    		
Marine / Shipping		other
Confirmation		

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=3RK1205-0BE00-2AA2 Cax online generator http://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, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1205-0BE00-2AA2&lang=en



