



ASIsafe SlimLine Compact module SC17.5F digital safety 2 F-DI, IP20 2 x input for mechanical sensors spring-type terminals Overall 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
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	4.5E-9 1/h
PFDAvg with low demand rate according to IEC 61508	5E-6

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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> during operation during storage 	-25 ... +70 °C -40 ... +85 °C	
Connections/ Terminals		
type of electrical connection of the inputs and outputs	Spring-loaded terminals	
type of connectable conductor cross-sections <ul style="list-style-type: none"> solid finely stranded with core end processing finely stranded without core end processing for AWG cables solid for AWG cables stranded 	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²) 1x (0,25 ... 1,0 mm ²), 2x (0,25 ... 1,0 mm ²) 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²) 1x (20 ... 16), 2x (20 ... 16) 1x (20 ... 16), 2x (20 ... 16)	
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

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- 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=3RK1205-0BG00-2AA2>
Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1205-0BG00-2AA2>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1205-0BG00-2AA2>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1205-0BG00-2AA2&lang=en



