



AS-Interface module, 2 safe inputs, black, insulation displacement system, for front plate mounting

product brand name	SIRIUS ACT
product designation	AS-Interface module
product type designation	3SU1

General technical data

product function	2F-DI
degree of pollution	3
type of voltage	
• of the operating voltage	DC
• of the input voltage	DC
consumed current maximum	60 mA
protection class IP	IP20
shock resistance for railway applications according to EN 61373	Category 1, Class B
vibration resistance for railway applications according to EN 61373	Category 1, Class B
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	10/01/2014
design of the slave type	2 F-DI
AS-Interface slave profile	S-0.B.F
ID1 code	1...F
number of AS-i slaves	1
protocol is supported ASIsafe (Safety at work) protocol	Yes
operating voltage rated value	26.5 ... 31.6 V
operating voltage 1 at DC rated value	30 V

Communication/ Protocol

protocol is supported AS-Interface protocol	Yes
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Inputs/ Outputs

number of digital inputs	
• safety-related	2

Connections/ Terminals

type of electrical connection	Insulation displacement method
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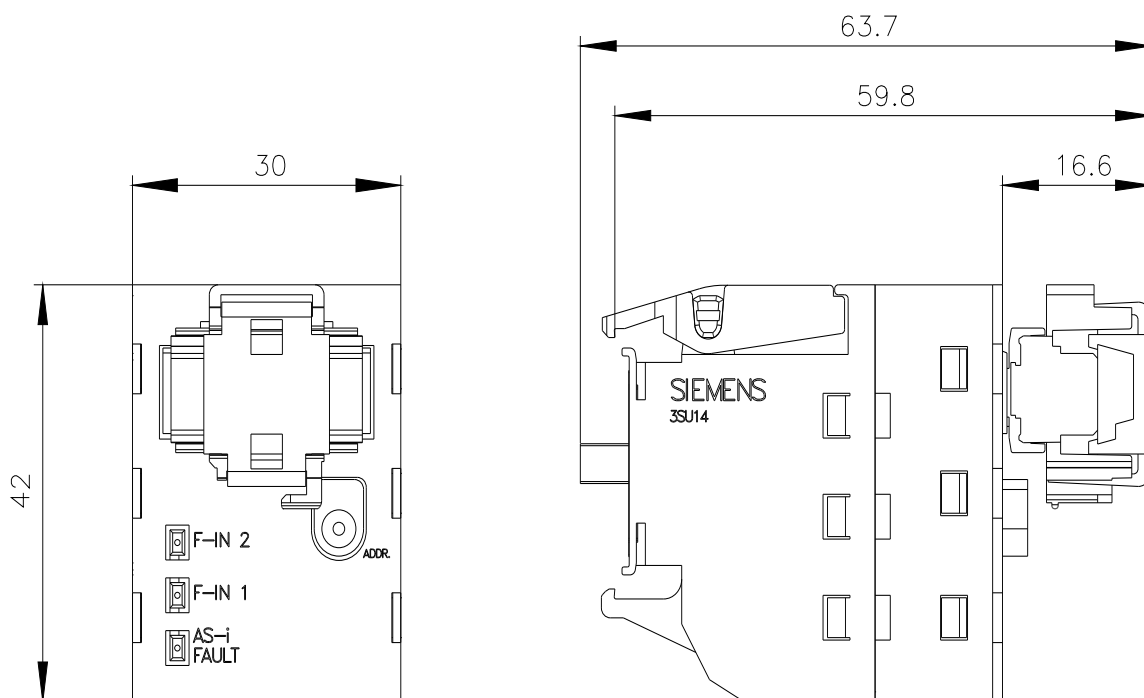
Product Function

suitability for use safety-related circuits	Yes
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Safety related data

Safety Integrity Level (SIL) according to IEC 61508	3
SIL Claim Limit (subsystem) according to EN 62061	SILCL 3
performance level (PL) according to EN ISO 13849-1	e
Safe failure fraction (SFF)	99 %
average diagnostic coverage level (DCavg)	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

category according to EN 954-1		4	
Ambient conditions			
ambient temperature			
• during operation		-25 ... +70 °C	
• during storage		-40 ... +80 °C	
environmental category during operation according to IEC 60721		3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 ... 95%, no condensation in operation permitted)	
Installation/ mounting/ dimensions			
fastening method			
• of modules and accessories		Front plate mounting	
• of AS-i slaves		Frontplattenbefestigung	
height		42 mm	
width		30 mm	
depth		65.5 mm	
Certificates/ approvals			
General Product Approval		EMC	Functional Safety/Safety of Machinery
		Declaration of Conformity	
Confirmation			
			Type Examination Certificate
			
Declaration of Conformity	Test Certificates	other	
	Type Test Certificates/Test Report	Special Test Certificate	
		Environmental Confirmations	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=3SU1400-1EA10-4AA0			
Cax online generator			
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1EA10-4AA0			
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)			
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1EA10-4AA0			
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)			
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1EA10-4AA0&lang=en			



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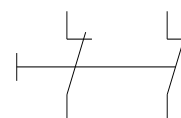
AS-i Bus:
Slave:



☐ F-IN1

☐ F-IN2

☐ AS-i Fault Logic



ASI+

ADDR

last modified:

12/23/2020

