



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

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	AS-Interface module
<b>product type designation</b>	3SU1
<b>General technical data</b>	
<b>product function</b>	2F-DI
<b>degree of pollution</b>	3
<b>type of voltage</b>	
• of the operating voltage	DC
• of the input voltage	DC
consumed current maximum	60 mA
<b>protection class IP</b>	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
<b>reference code according to IEC 81346-2</b>	K
<b>Substance Prohibitance (Date)</b>	10/01/2014
<b>design of the slave type</b>	2 F-DI
<b>AS-Interface slave profile</b>	S-0.B.F
<b>ID1 code</b>	1...F
<b>number of AS-i slaves</b>	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
<b>Communication/ Protocol</b>	
protocol is supported AS-Interface protocol	Yes
<b>Inputs/ Outputs</b>	
<b>number of digital inputs</b>	
• safety-related	2
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	Insulation displacement method
<b>Product Function</b>	
suitability for use safety-related circuits	Yes
<b>Safety related data</b>	
<b>Safety Integrity Level (SIL) according to IEC 61508</b>	3
SIL Claim Limit (subsystem) according to EN 62061	SILCL 3
<b>performance level (PL) according to EN ISO 13849-1</b>	e
<b>Safe failure fraction (SFF)</b>	99 %
<b>average diagnostic coverage level (DCavg)</b>	99 %

PFHD with high demand rate according to EN 62061	0.0000000045 1/h		
PFDAvg with low demand rate according to IEC 61508 category according to EN 954-1	0.000005 4		
<b>Ambient conditions</b>			
<b>ambient temperature</b>			
• 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)		
<b>Installation/ mounting/ dimensions</b>			
<b>fastening method</b>			
• of modules and accessories	Front plate mounting		
• of AS-i slaves	Frontplattenbefestigung		
<b>height</b>	42 mm		
<b>width</b>	30 mm		
<b>depth</b>	65.5 mm		
<b>Certificates/ approvals</b>			
General Product Approval	EMC	Functional Safety/Safety of Machinery	Declaration of Conformity

[Confirmation](#)



[Type Examination Certificate](#)



Declaration of Conformity	Test Certificates	other
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[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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1EA10-4AA0&lang=en)

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