

AS-Interface module, 2 safe inputs, 1 LED, red, Spring-type terminal (Push-in), for floor 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 / 1 LED
<b>degree of pollution</b>	3
<b>type of voltage</b>	
• of the operating voltage	DC
• of the input voltage	DC
<b>consumed current maximum</b>	60 mA
<b>protection class IP</b>	IP20
<b>shock resistance for railway applications according to EN 61373</b>	Category 1, Class B
<b>vibration resistance for railway applications according to EN 61373</b>	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 + 1 LED
<b>AS-Interface slave profile</b>	S-7.B.0
<b>ID1 code</b>	0...F
<b>number of AS-i slaves</b>	1
protocol is supported ASIsafe (Safety at work) protocol	Yes
operating voltage rated value	18 ... 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>	0
• safety-related	2
<b>number of digital outputs</b>	1; For controlling the LED
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	spring-loaded terminal (push-in)
<b>type of connectable conductor cross-sections</b>	
• solid without core end processing	1x (0.14 ... 0.5 mm <sup>2</sup> )
• finely stranded without core end processing	1x (0.2 ... 0.5 mm <sup>2</sup> )
• at AWG cables	1x (26 ... 20)
<b>Lamp</b>	
<b>color of the light source</b>	red
<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	0.0000000048 1/h
<b>PFDavg with low demand rate according to IEC 61508</b>	0.000005
<b>category according to EN 954-1</b>	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, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

<b>Installation/ mounting/ dimensions</b>	
<b>fastening method</b>	
• of modules and accessories	Floor mounting
• of AS-i slaves	Floor mounting
<b>height</b>	54.6 mm
<b>width</b>	25.9 mm
<b>depth</b>	36.7 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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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



[Environmental Conformations](#)

[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=3SU1401-2EE20-6AA0>

Cax online generator

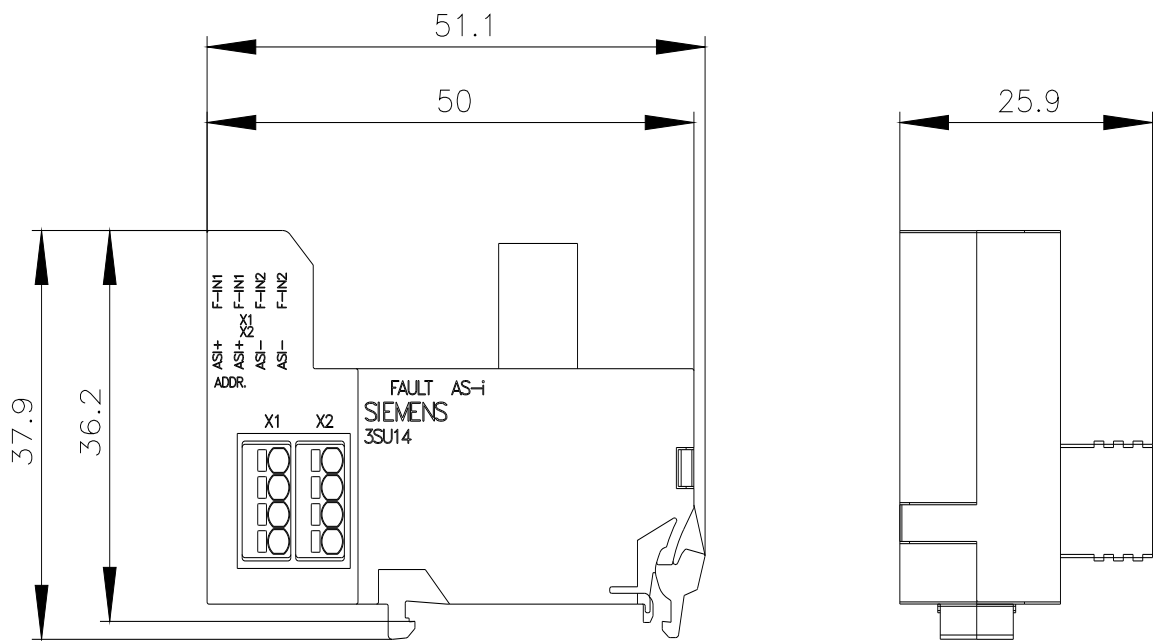
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2EE20-6AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2EE20-6AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1401-2EE20-6AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2EE20-6AA0&lang=en)



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