

AS-INTERFACE MODULE, 2 SAFE INPUTS, BLACK, 4-POLE CONNECTOR WITH SCREW TERMINAL AND 4-POLE CONNECTOR WITH SPRING-TYPE TERMINAL, FOR FRONT PLATE MOUNTING



Figure similar

Product brand name	SIRIUS ACT
Product designation	AS-Interface module
Product type designation	3SU1
<b>General technical data</b>	
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 acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Equipment marking	

<ul style="list-style-type: none"> <li>• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</li> </ul>	A
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	K
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>	K
<b>Design of the slave type</b>	2 F-DI
<b>AS interface slave profile is supported</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

#### Main circuit

<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	26.5 ... 31.6 V
<b>Operating voltage 1</b>	
<ul style="list-style-type: none"> <li>• at DC rated value</li> </ul>	30 V

#### Communication/ Protocol

<b>Protocol is supported</b>	
<ul style="list-style-type: none"> <li>• AS-interface protocol</li> </ul>	Yes

#### Auxiliary circuit

<b>Number of NO contacts</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0

#### Inputs/ Outputs

<b>Number of digital inputs</b>	
<ul style="list-style-type: none"> <li>• safety-related</li> </ul>	2

#### Connections/Terminals

<b>Type of electrical connection</b>	Screw connection + spring-type terminal
<b>Type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid without core end processing</li> </ul>	1x (0.2 ... 2.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	1x (0.25 ... 2.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul>	1x (0.2 ... 2.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• at AWG conductors</li> </ul>	1x (30 ... 12)
<b>Tightening torque</b>	
<ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>	0.5 ... 0.6 N·m

#### Product Function

<b>Suitability for use</b>	
<ul style="list-style-type: none"> <li>• safety-related circuits</li> </ul>	Yes

#### Safety related data

<b>Safety Integrity Level (SIL) acc. to IEC 61508</b>	3
<b>SIL Claim Limit (subsystem) acc. to EN 62061</b>	SILCL 3
<b>Performance level (PL) acc. to EN ISO 13849-1</b>	e

Safe failure fraction (SFF)	99 %
Average diagnostic coverage level (DCavg)	99 %
PFHD with high demand rate acc. to EN 62061	0.0000000045 1/h
PFDavg with low demand rate acc. to IEC 61508	0.000005
Category acc. to EN 954-1	4





#### Ambient conditions

<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	<p>-25 ... +70 °C</p> <p>-40 ... +80 °C</p>
Environmental category during operation acc. 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

<b>Mounting type</b>	
<ul style="list-style-type: none"> <li>of modules and accessories</li> <li>of AS-i slaves</li> </ul>	<p>Front plate mounting</p> <p>Front mounting</p>
Height	42 mm
Width	30 mm
Depth	65.5 mm

#### Certificates/approvals

General Product Approval	EMC	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
				
UL		C-Tick	EG-Konf.	

[Type Examination Certificate](#)      [Declaration of the Compliance with the order](#)

Test Certificates	other
<a href="#">Special Test Certificate</a>	<a href="#">Confirmation</a>
	
	ASI

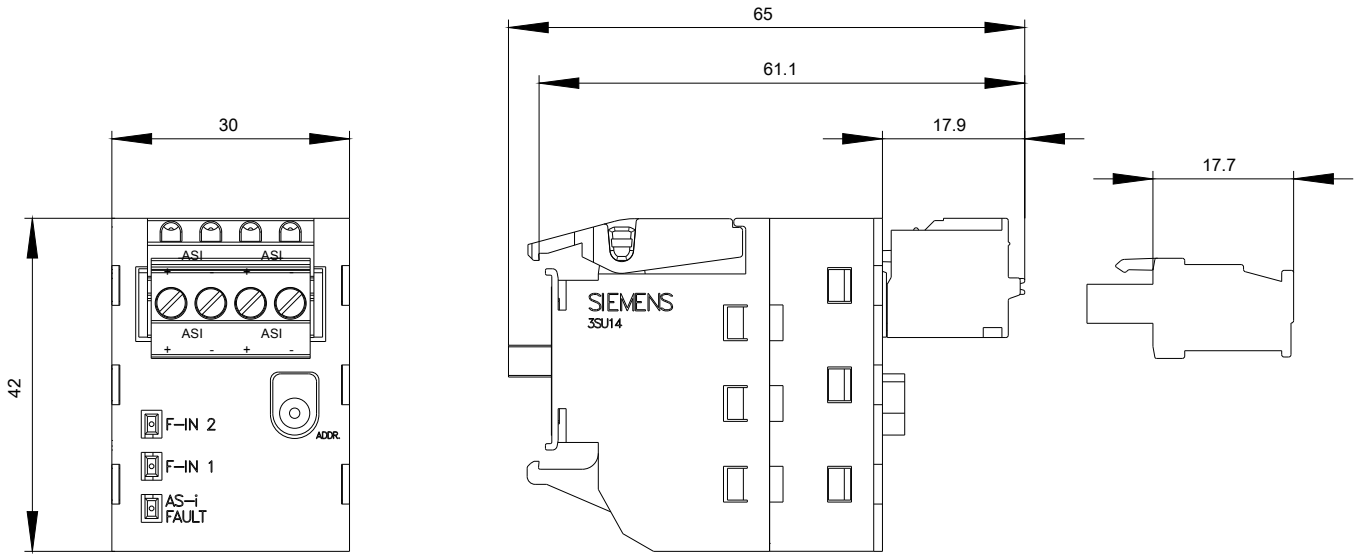
#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/industrial-controls/catalogs>

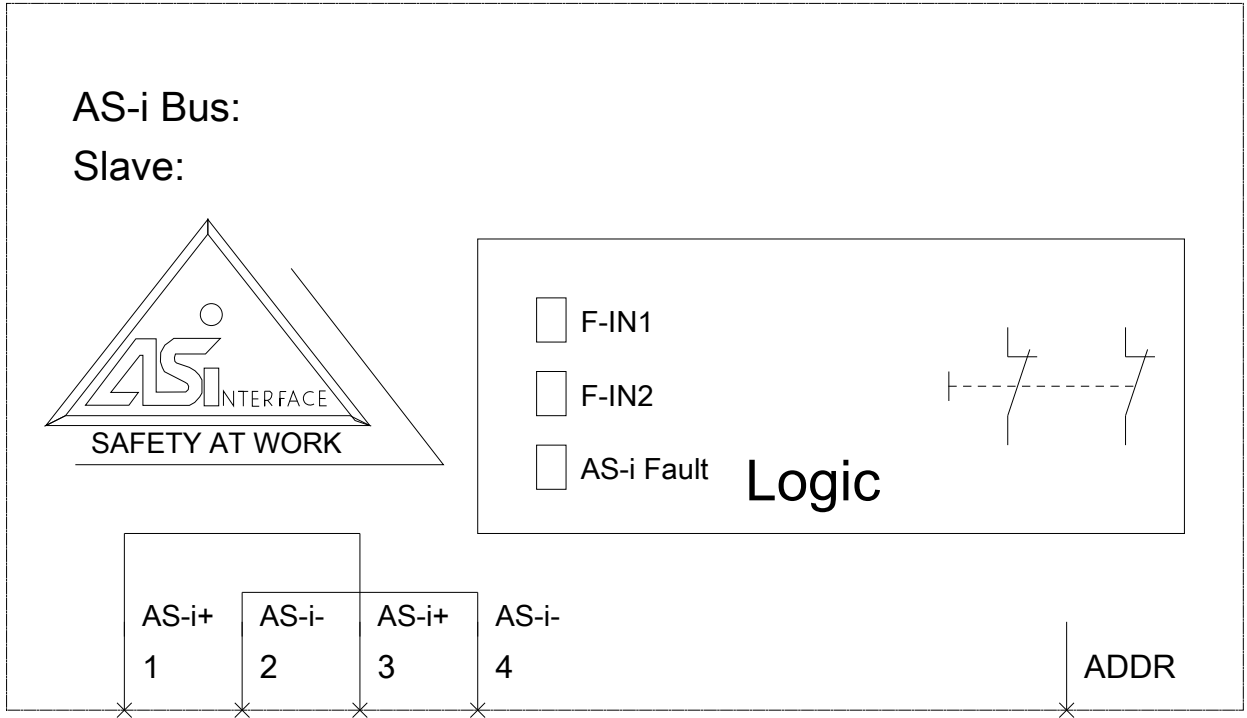
**Industry Mall (Online ordering system)**  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1EA10-2AA0>

**Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1EA10-2AA0>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1EA10-2AA0>



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