



SIRIUS ACT with PROFINET: standard interface module 24 V DC, screw terminal, front plate mounting 1 to 20 terminal modules connectable

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	Interface module for PROFINET
<b>product type designation</b>	3SU1
<b>Display</b>	
<b>display version</b>	
<ul style="list-style-type: none"> <li>for diagnostic function: Supply voltage monitoring power LED</li> </ul>	Yes
<ul style="list-style-type: none"> <li>status Tx/Rx link</li> </ul>	Yes
<b>General technical data</b>	
<b>product function</b>	
<ul style="list-style-type: none"> <li>reverse polarity protection</li> </ul>	Yes
<ul style="list-style-type: none"> <li>diagnostics function</li> </ul>	Yes
<ul style="list-style-type: none"> <li>alarms</li> </ul>	Yes
<ul style="list-style-type: none"> <li>I&amp;M data</li> </ul>	Yes; I&M0 ... I&M3
<b>firmware version</b>	2.1.1
<b>hardware version</b>	1
<b>configuration function with dataset</b>	Yes
<b>software version with STEP 7 in the TIA Portal required</b>	Integrated in TIA Portal Version 14 SP1 or higher (HSP for V13 and V14)
<b>number of units per rack maximum</b>	20
<b>number of submodules per station maximum</b>	24
<b>power loss [W] typical</b>	0.67 W
<b>insulation voltage rated value</b>	30 V
<b>degree of pollution</b>	3
<b>type of voltage</b>	
<ul style="list-style-type: none"> <li>of the operating voltage</li> </ul>	DC
<ul style="list-style-type: none"> <li>of the input voltage</li> </ul>	DC
<b>surge voltage resistance rated value</b>	0.8 kV
<b>consumed current</b>	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	100 mA
<ul style="list-style-type: none"> <li>rated value</li> </ul>	28 mA
<b>protection class IP</b>	IP20, clamping screw tightened
<b>reference code according to IEC 81346-2</b>	K
<b>Substance Prohibitance (Date)</b>	12/19/2016
<b>operating voltage rated value</b>	20.4 V
<b>I2t value</b>	0.008 A <sup>2</sup> ·s
<b>Supply voltage</b>	
<b>supply voltage at DC rated value</b>	24 V
<b>Communication/ Protocol</b>	
<b>protocol is supported</b>	
<ul style="list-style-type: none"> <li>PROFINET IO protocol</li> </ul>	Yes

<ul style="list-style-type: none"> <li>• PROFIsafe protocol</li> </ul>	No
<b>product function at the Ethernet interface</b>	
<ul style="list-style-type: none"> <li>• Autocrossover</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Autonegotiation</li> </ul>	Yes
protocol at the 1st interface media redundancy protocol	No
product function at the 1st interface PROFINET IO device	Yes
<b>product function of the PROFINET IO device is supported PROFINET system redundancy</b>	No
<b>service as PROFINET IO device</b>	
<ul style="list-style-type: none"> <li>• prioritized startup</li> </ul>	No
<ul style="list-style-type: none"> <li>• isochronous mode</li> </ul>	No
<ul style="list-style-type: none"> <li>• supports Shared Device</li> </ul>	No
<ul style="list-style-type: none"> <li>• supports PROFlenergy</li> </ul>	No
<ul style="list-style-type: none"> <li>• IRT</li> </ul>	No
<ul style="list-style-type: none"> <li>• MRP</li> </ul>	No
<ul style="list-style-type: none"> <li>• MRPD</li> </ul>	No
<b>service for open IE communication</b>	
<ul style="list-style-type: none"> <li>• LLDP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SNMP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>	Yes
<b>GSD version/revision with PROFINET required</b>	V2.3
<b>transmission mode for Industrial Ethernet</b>	PROFINET with 100 Mbps full duplex (100BASE-TX)
<b>network load class according to PROFINET</b>	1
<b>specification for Security Level 1 test according to PROFINET</b>	Resilient to network loading
<b>Control circuit/ Control</b>	
<b>inrush current maximum</b>	16 A
<b>Galvanic isolation</b>	
galvanic isolation between PROFINET and all other circuits	Yes
<b>Inputs/ Outputs</b>	
<b>number of digital inputs</b>	0
<ul style="list-style-type: none"> <li>• safety-related</li> </ul>	0
<b>number of digital outputs</b>	0
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	screw-type terminals
<b>connectable conductor cross-section for auxiliary contacts</b>	
<ul style="list-style-type: none"> <li>• solid or stranded</li> </ul>	0.2 ... 2.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	2.5 mm <sup>2</sup>
<b>connectable conductor cross-section</b>	
<ul style="list-style-type: none"> <li>• solid</li> </ul>	0.2 ... 2.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• solid with core end processing</li> </ul>	0.2 ... 2.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	0.25 ... 2.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul>	0.2 ... 2.5 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section</b>	30 ... 12
tightening torque with screw-type terminals	0.5 ... 0.6 N·m
<b>Safety related data</b>	
<b>service life maximum</b>	20 a
<b>design of the interface</b>	
<ul style="list-style-type: none"> <li>• Ethernet interface</li> </ul>	Yes; for Ethernet services
<ul style="list-style-type: none"> <li>• Fast Ethernet interface</li> </ul>	Yes; PROFINET with 100 Mbps
<b>interface design 1</b>	
<ul style="list-style-type: none"> <li>• integrated switch</li> </ul>	No
<ul style="list-style-type: none"> <li>• RJ45 (Ethernet)</li> </ul>	Yes
<b>number of ports at the 1st interface</b>	1
number of interfaces according to PROFINET	1
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-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)

explosion protection marking for intrinsic safety of related equipment EEx ia	No
explosion protection marking for intrinsic safety of related equipment EEx ib	No

### Installation/ mounting/ dimensions

fastening method of modules and accessories	Front plate mounting
height	80.1 mm
width	40 mm
depth	72.1 mm

### Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
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[Confirmation](#)



[Special Test Certificate](#)

Test Certificates	other	Environment
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[Type Test Certificates/Test Report](#)

[Confirmation](#)

[PROFINET-Certification](#)

[Environmental Confirmations](#)

### Further information

Siemens has decided to exit the Russian market (see here).  
<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

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).

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=3SU1400-1LK10-1AA1>

Cax online generator  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1LK10-1AA1>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1LK10-1AA1>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-1LK10-1AA1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1LK10-1AA1&lang=en)



