



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

### Display

<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

### General technical data

<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

### Supply voltage

supply voltage at DC rated value	24 V
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### Communication/ Protocol

<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> <li>• Autonegotiation</li> </ul>	Yes 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> <li>• isochronous mode</li> <li>• supports Shared Device</li> <li>• supports PROFIenergy</li> <li>• IRT</li> <li>• MRP</li> <li>• MRPD</li> </ul>	No No No No No No No
<b>service for open IE communication</b>	
<ul style="list-style-type: none"> <li>• LLDP</li> <li>• SNMP</li> <li>• TCP/IP</li> </ul>	Yes Yes 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> <li>• finely stranded with core end processing</li> </ul>	0.2 ... 2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup>
<b>connectable conductor cross-section</b>	
<ul style="list-style-type: none"> <li>• solid</li> <li>• solid with core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul>	0.2 ... 2.5 mm <sup>2</sup> 0.2 ... 2.5 mm <sup>2</sup> 0.25 ... 2.5 mm <sup>2</sup> 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> <li>• Fast Ethernet interface</li> </ul>	Yes; for Ethernet services Yes; PROFINET with 100 Mbps
<b>interface design 1</b>	
<ul style="list-style-type: none"> <li>• integrated switch</li> <li>• RJ45 (Ethernet)</li> </ul>	No 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> <li>• during storage</li> </ul>	-25 ... +60 °C -40 ... +80 °C
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no

60721	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
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[Type Test Certificates/Test Report](#)

[Environmental Confirmations](#)

[Confirmation](#)

[PROFIsafe-Certification](#)

[PROFINET-Certification](#)

#### 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=3SU1400-1LK10-1AA1>

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)



