

Siemens
EcoTech



AS-Interface module, 4 inputs and 4 outputs, black, Spring-type terminal (Push-in), for input/output, for floor mounting



product brand name	SIRIUS ACT
product designation	AS-Interface module
product type designation	3SU1
General technical data	
product function	4 DI / 4 DQ
degree of pollution	3
type of voltage	
• of the operating voltage	DC
• of the input voltage	DC
consumed current maximum	150 mA
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
reference code according to IEC 81346-2	K
Substance Prohibitation (Date)	10/01/2014
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Diboron trioxide - 1303-86-2
Weight	0.056 kg
design of the slave type	4 DI / 4 DQ
AS-Interface slave profile	S-7.0.E
ID1 code	0...F
number of AS-i slaves	1
operating voltage rated value	18 ... 31.6 V
operating voltage 1 at DC rated value	30 V
Communication/ Protocol	
protocol is supported	
• AS-Interface protocol	Yes
• ASIsafe (Safety at work) protocol	No
Control circuit/ Control	
consumed current per input	2 mA
Inputs/ Outputs	
number of digital inputs	4
• note	Inputs are only used to check LOG 1 / LOG 0
• safety-related	0
number of digital outputs	4
Connections/ Terminals	
type of electrical connection	spring-loaded terminal (push-in)

type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid without core end processing • finely stranded without core end processing • for AWG cables 	1x (0.14 ... 0.5 mm ²) 1x (0.2 ... 0.5 mm ²) 1x (26 ... 20)
ampacity per pin maximum	120 mA

Product Function

suitability for use safety-related circuits	No
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Safety related data

product function suitable for safety function	No
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Ambient conditions

ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-25 ... +70 °C -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)

Environmental footprint

Environmental Product Declaration (EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
Global Warming Potential [CO2 eq] after end of life	-0.015 kg
Siemens Eco Profile (SEP)	Siemens EcoTech

Installation/ mounting/ dimensions

fastening method	
<ul style="list-style-type: none"> • of modules and accessories • of AS-i slaves 	Floor mounting Floor mounting
height	60 mm
width	23.8 mm
depth	53.5 mm

Approvals Certificates

General Product Approval	EMV
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[Confirmation](#)



Test Certificates

Test Certificates	other	Environment
Special Test Certificate	Confirmation	
Type Test Certificates/Test Report		

Further information

- 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=3SU1400-2EK10-6AA0>
- Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2EK10-6AA0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2EK10-6AA0>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2EK10-6AA0&lang=en



