3SU1401-2EE20-6AA0

Data sheet

AS-Interface module, 2 safe inputs, 1 LED, red, Spring-type terminal (Push-in), for floor mounting



product brand name	SIKIUS ACT
product designation	AS-Interface module
product type designation	3SU1
General technical data	
product function	2F-DI / 1 LED
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 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	К
Substance Prohibitance (Date)	10/01/2014
design of the slave type	2 F-DI + 1 LED
AS-Interface slave profile	S-7.B.0
ID1 code	0F
number of AS-i slaves	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
Communication/ Protocol	
protocol is supported AS-Interface protocol	Yes
Inputs/ Outputs	
number of digital inputs	0
safety-related	2
number of digital outputs	1; For controlling the LED
Connections/ Terminals	
type of electrical connection	spring-loaded terminal (push-in)
type of connectable conductor cross-sections	
 solid without core end processing 	1x (0.14 0.5 mm²)
 finely stranded without core end processing 	1x (0.2 0.5 mm²)
• for AWG cables	1x (26 20)
Lamp	
color of the light source	red
Product Function	
product function suitable for safety function	Yes
suitability for use safety-related circuits	Yes

SIRIUS ACT

Safety related data		
Safety Integrity Level (SIL)		
 according to IEC 62061 	3	
 according to IEC 61508 	3	
SIL Claim Limit (subsystem) according to EN 62061	SILCL 3	
performance level (PL) according to ISO 13849-1	e	
Safe failure fraction (SFF)	99 %	
average diagnostic coverage level (DCavg)	99 %	
PFHD with high demand rate according to IEC 61508	4.8E-9 1/h	
PFDavg with low demand rate according to IEC 61508	5E-6	
category according to EN 954-1	4	
Ambient conditions		
ambient temperature		
 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)	
Installation/ mounting/ dimensions		
fastening method		
 of modules and accessories 	Floor mounting	
• of AS-i slaves	Floor mounting	
height	54.6 mm	
width	25.9 mm	
depth	36.7 mm	
Certificates/ approvals		

Confirmation

General Product Approval







Type Examination Certificate

Safety/Safety of Ma-

Functional

chinery



Declaration of Con-

formity

Declaration of Conformity

Test Certificates

other

EMC

Environment



Special Test Certificate

Type Test Certificates/Test Report



Confirmation

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=3SU1401-2EE20-6AA0

Cax online generator

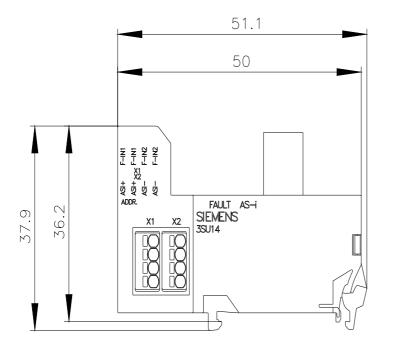
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2EE20-6AA0

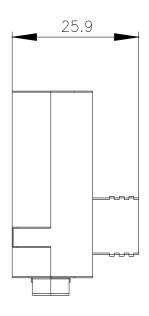
 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

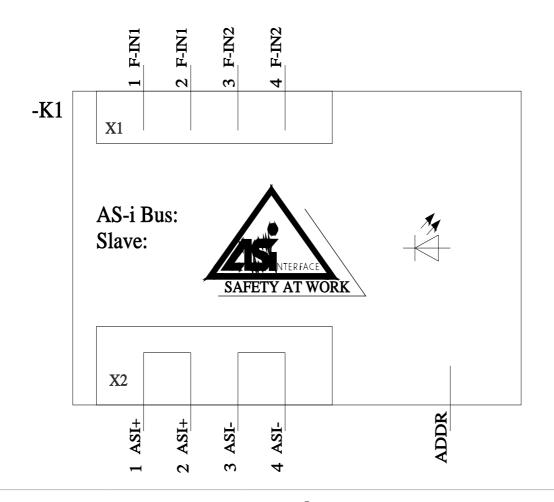
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2EE20-6AA0

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







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