SIEMENS

Data sheet **6GK1411-2AB10**

SIMATIC NET, IE/AS-i Link PN IO Gateway IE/AS-i with master profile M3, M4 according to AS-i specification V3.0 for integration in PROFINET IO Single master with display IP20

General technical data		
product designation		PROFINET IO/AS-Interface Link
product type designation		IE/AS-i LINK PN IO (single master)
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via AS-i or 24 V DC
supply voltage from optional external supply voltage at DC	V	24
consumed current		
● from profile conductors of the AS-Interface		
— at 30 V maximum	mA	320
— at 24 V with AS-i Power24V maximum	mA	320
power loss [W]	W	9.6
insulation voltage rated value	V	500
product feature redundancy capability		No
product function suitable for AS-i Power24V		No
● note		from product status 4 / firmware V2.2
product function		
● web-based management		Yes
● diagnostics via email		Yes
● galvanic isolation		Yes
display version		
● as status display by LED		SF, BF, ON, APF, CER, AUP, CM
● as status indication through display		LCD display, full graphic, backlighting, 128 x 64 pixels
type of configuration of the AS-Interface		Operator display, integrated web server, STEP7, GSD, command interface
Communication/ Protocol		
version of the AS-Interface specification		V 3.0
AS-Interface master profile is supported		M4 (in acc. with AS-interface specification V 3.0)
type of data transmission		PROFINET
number of interfaces		
● as AS-Interface		1
● according to RS 485		0
● according to Industrial Ethernet		2
● according to PROFINET		2
● according to wireless		0
● according to USB		0
● other		1
product component optical interface		No
protocol is supported		

● ASIsafe (Safety at work) protocol			No
● PROFIsafe protocol			No
● PROFIBUS protocol			No
● PROFINET IO protocol			Yes
● PROFINET CBA protocol			No
● TCP/IP			Yes
● SNMP			Yes
standard for wireless communication IEEE 802.11			No

Inputs/ Outputs

number of inputs for AS-Interface maximum			496
number of outputs for AS-Interface maximum			496
number of AS-i devices per AS-Interface maximum			62
bus cycle time of the AS-Interface			
● for 31 devices		ms	5
● for 62 devices		ms	10
access to digital I/O data			via process image/peripheral addresses
access to analog I/O data			via process diagram/peripheral addresses and data record transfer

Mechanical data

width		mm	90
height		mm	132
depth		mm	88.5
fastening method			snap-on fastening on 35 mm DIN rail
module format			IP20

Ambient conditions

ambient temperature			
● if installed on horizontal mounting rail during operation		°C	0 ... 60
● during transport		°C	-30 ... +70
● during storage		°C	-30 ... +70
relative humidity at 25 °C during operation maximum		%	95
installation altitude at height above sea level maximum		m	3 000

Safety related data

suitability for use safety-related function			No
explosion protection marking for intrinsic safety of related equipment			
● EEx ia			No
● EEx ib			No
explosion protection category for gas			II 3 G Ex ec IIC T4 Gc
explosion protection category for dust			none

Certificates/ approvals

General Product Approval	EMV	For use in hazardous locations
[FM](#) UL	RCM	CQC

For use in hazardous locations		Test Certificates	Maritime application
ATEX IECEx	[FM](#) UL	[Special Test Certificate](#)	DNV

other	Environment

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=6GK1411-2AB10
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1411-2AB10
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
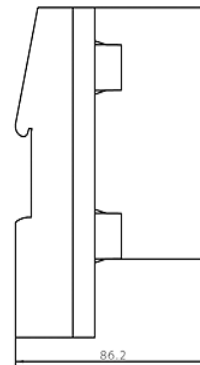https://support.industry.siemens.com/cs/ww/en/ps/6GK1411-2AB10
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
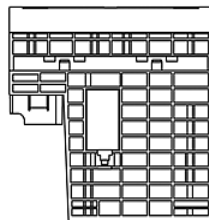https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1411-2AB10&lang=en

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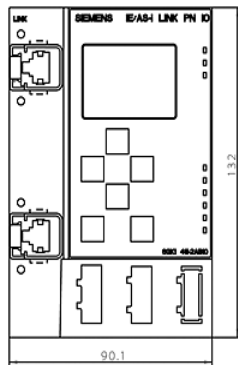
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