



SIMATIC NET,
IE/AS-INTERFACE LINK PN IO;
GATEWAY INDUSTRIAL ETHERNET/ AS-INTERFACE
WITH MASTER PROFILE M3,
M4 ACC. TO EXTENDED AS-I SPEC. V3.0 FOR
INTEGRATION IN PROFINET IO;
DOUBLE MASTER WITH DISPLAY;
DEGREE OF PROTECTION IP20.

General technical data:

product designation		PROFINET IO/AS-Interface Link
Protection class IP		IP20
Design of the electrical connection / of the AS-Interface		Screw-type connection
Type of voltage supply		via AS-i or external 24 V supply
Operating condition / separate power supply 24 V		No
Supply voltage / from optional external supply voltage / for DC	V	24
Current consumed		
• from shaped cables of AS-Interface		
• with external 24 V-supply voltage / maximum	mA	320
• at 24 V / with AS-i Power24V / maximum	mA	320
Resistive loss	W	9.6
Insulation voltage / rated value	V	500
Product function / adapted for AS-i Power24V		No
• comment		Power 24 V from product status 4 / firmware V2.2
Product feature / redundancy capability		No
Product function / web-based management		Yes
Product function / diagnosis via E-mail		Yes
Product function / galvanic isolation		Yes
• as status display by LED		SF, BF, ON, APF, CER, AUP, CM

• as status display via display		LCD display, full graphic, backlighting, 128 x 64 pixels
Type of projection / of the AS-interface		Operator display, integrated web server, STEP7, GSD, command interface

Communication:		
Version / of the AS-interface specification		V 3.0
AS-interface masterprofile / will be supported		M4 (in acc. with AS-interface specification V 3.0)
Type of data transmission		PROFINET
Number of interfaces		
• as AS-interface		2
• according to RS 485		0
• according to Industrial Ethernet		2
• according to PROFINET		2
• according to wireless		0
• according to USB		0
• others		2
Product component / optical interface		No
Protocol / will be 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

Ein- und Ausgänge:		
Number of inputs / for AS Interface / maximum		496
Number of outputs / for AS Interface / maximum		496
Number of AS-i slaves / per AS-Interface / maximum		62
Bus cycle time / of the AS-interface		
• at 31 slaves	ms	5
• at 62 slaves	ms	10
Access to digital I/O data		via process diagram/peripheral addresses and data record transfer
Access to analog I/O data		via process diagram/peripheral addresses and data record transfer

Mechanical design:		
Width	mm	90
Height	mm	132

Depth	mm	88.5
Type of mounting		snap-on fastening on 35 mm standard 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 operating / maximum	%	95
Installation altitude / at a height over sea level / maximum	m	3,000

Safety:

Acceptability for application / safety-related function		No
Explosion protection labeling / for intrinsic safety of related operating resources		
• EEX ia		No
• EEX ib		No
Explosion protection category for gas		none
Explosion protection category for dust		none

Certificates/approvals:

General Product Approval



Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

<http://www.siemens.com/cax>

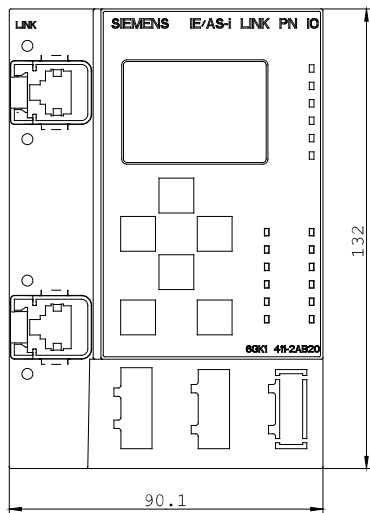
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/6GK1411-2AB20/all>

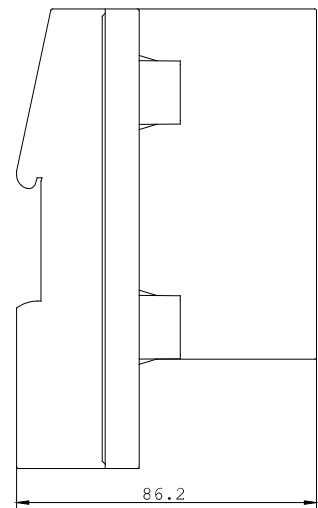
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=6GK1411-2AB20

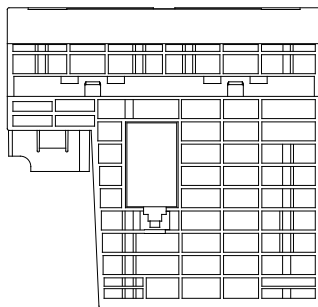
Vorne / Front



Links / Left



Oben / Top



last change:

Jul 17, 2012