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Show actual product details

Data sheet 6GK1415-2BA10



SIMATIC NET, DP/AS-INTERFACE LINK ADVANCED; GATEWAY PROFIBUS DP/AS-INTERFACE WITH MASTER PROFILE M3, M4 ACC. TO EXTENDED AS-I SPEC. V3.0 FOR INTEGRATION IN PROFIBUS DP; SINGLE MASTER WITH DISPLAY; DEGREE OF PROTECTION IP20.

General technical data:		
Product designation		PROFIBUS DP/AS-Interface Link
Product type designation		DP/AS-i LINK Advanced (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
Operating condition separate power supply 24 V		No
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	250
— at 24 V with AS-i Power24V maximum	mA	250
Power loss [W]	W	7.5
Insulation voltage rated value	V	500
Product function suitable for AS-i Power24V		Yes
• Note		from product status 4 / firmware V2.2
Product feature redundancy capability		Yes
• Note		in connection with Y-Link

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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		PROFIBUS
Number of interfaces		
• as AS-interface		1
• acc. to RS 485		1
• acc. to Industrial Ethernet		1
• acc. to PROFINET		0
• acc. to wireless		0
• acc. to USB		0
• other		1
Product component optical interface		No
Protocol is supported		
• ASIsafe (Safety at work) protocol		No
• PROFIsafe protocol		No
• PROFIBUS protocol		Yes
• PROFINET IO protocol		No
• 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 slaves per AS-Interface maximum		62
Bus cycle time of the AS-interface		
• for 31 slaves	ms	5
• for 62 slaves	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

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Mechanical data:		
Width	mm	90
Height	mm	132
Depth	mm	88.5
Mounting type		snap-on fastening on 35 mm standard rail
Module format		IP20

Ambient conditions:		
Ambient temperature		
• if installed on horizontal mounting rail	°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		none
Explosion protection category for dust		none

Certificates/ approvals:

General Product Approval	EMC	For use in hazardous locations	Declaration of Conformity	Shipping Approval
UL		ATEX	EG-Konf.	BUREAU VERITAS

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

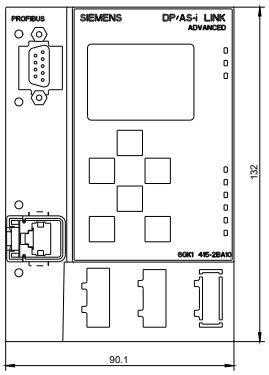
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6GK1415-2BA10

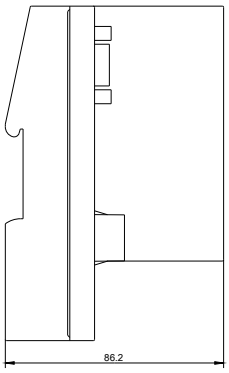
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1415-2BA10&lang=en

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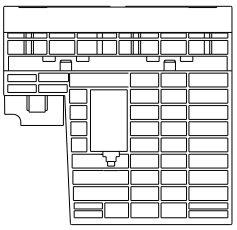
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