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Data sheet 6GK1415-2AA10



SIMATIC NET, DP/AS-Interface Link 20 E, Gateway PROFIBUS DP/AS-Interface according to AS-Interface specification V 3.0 in degree of protection IP20

General technical data		
product designation		PROFIBUS DP/AS-Interface Link
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via AS-i
consumed current		
● from profile conductors of the AS-Interface		
— at 30 V maximum	mA	200
power loss [W]	W	4.5
insulation voltage rated value	V	500
product feature redundancy capability		Yes
● note		in connection with Y-Link
product function suitable for AS-i Power24V		No
● note		from product status 2 / firmware V3.1
product function		
● web-based management		No
● diagnostics via email		No
● galvanic isolation		Yes
display version		
● as status display by LED		PWR, APF, CER, AUP, CM, BF, SF
type of configuration of the AS-Interface		Set pushbutton on device, 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
● according to RS 485		1
● according to Industrial Ethernet		0
● according to PROFINET		0
● according to wireless		0
● according to USB		0
● other		0
product component optical interface		No
protocol is supported		
● ASIsafe (Safety at work) protocol		No
● PROFIsafe protocol		No
● PROFIBUS protocol		Yes
● PROFINET IO protocol		No

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● PROFINET CBA protocol		No
● TCP/IP		No
● SNMP		No
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 data record transfer
Mechanical data		
width	mm	90
height	mm	80
depth	mm	62
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
● if installed on vertical mounting rail during operation	°C	0 ... 45
● during transport	°C	-40 ... +70
● during storage	°C	-40 ... +70
relative humidity at 25 °C during operation maximum	%	95
installation altitude at height above sea level maximum	m	2 000
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
FM					

EMV	For use in hazardous locations		Test Certificates	other	
	CCC-Ex		Special Test Certific-ate	Confirmation	

Environment

Environmental Con-firmations

Further information

Information on the packaging

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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

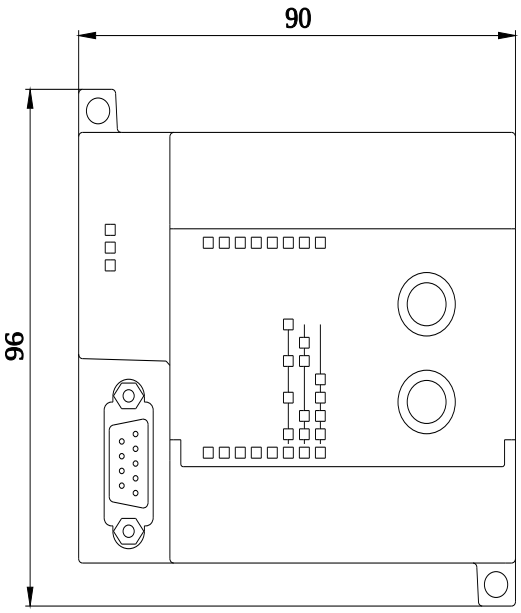
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

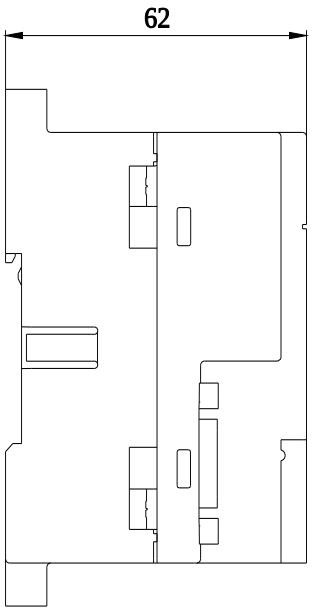
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6GK1415-2AA10

Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2AA10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6GK1415-2AA10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1415-2AA10&lang=en





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