SIEMENS

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
product type designation		DP/AS-Interface Link 20E (AS-i V 3.0)
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via AS-i
operating condition separate power supply 24 V		No
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 function suitable for AS-i Power24V		No
● note		from product status 2 / firmware V3.1
product feature redundancy capability		Yes
● note		in connection with Y-Link
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 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 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	°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		none
explosion protection category for dust		none

Certificates/ approvals			
General Product Approval		**EMC**	**For use in hazardous locations**
[Confirmation](#) [FM](#)	UL	EAC RCM	CQC

Declaration of Conformity	**other**
CE EG-Konf.	[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
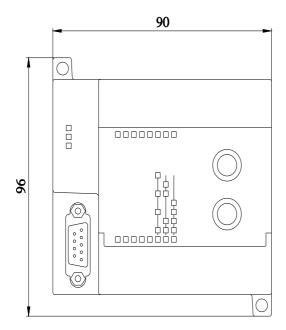**Industry Mall (Online ordering system)**
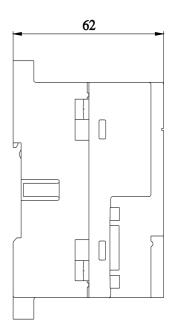https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6GK1415-2AA10
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2AA10
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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