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
• acc. to RS 485		1
• acc. to Industrial Ethernet		0
• acc. to PROFINET		0
• acc. to wireless		0
• acc. 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
• 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
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
• 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	Declaration of Conformity
FM	UL	EAC	RCM	ATEX	CE EG-Konf.

Declaration of Conformity	other
Miscellaneous	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

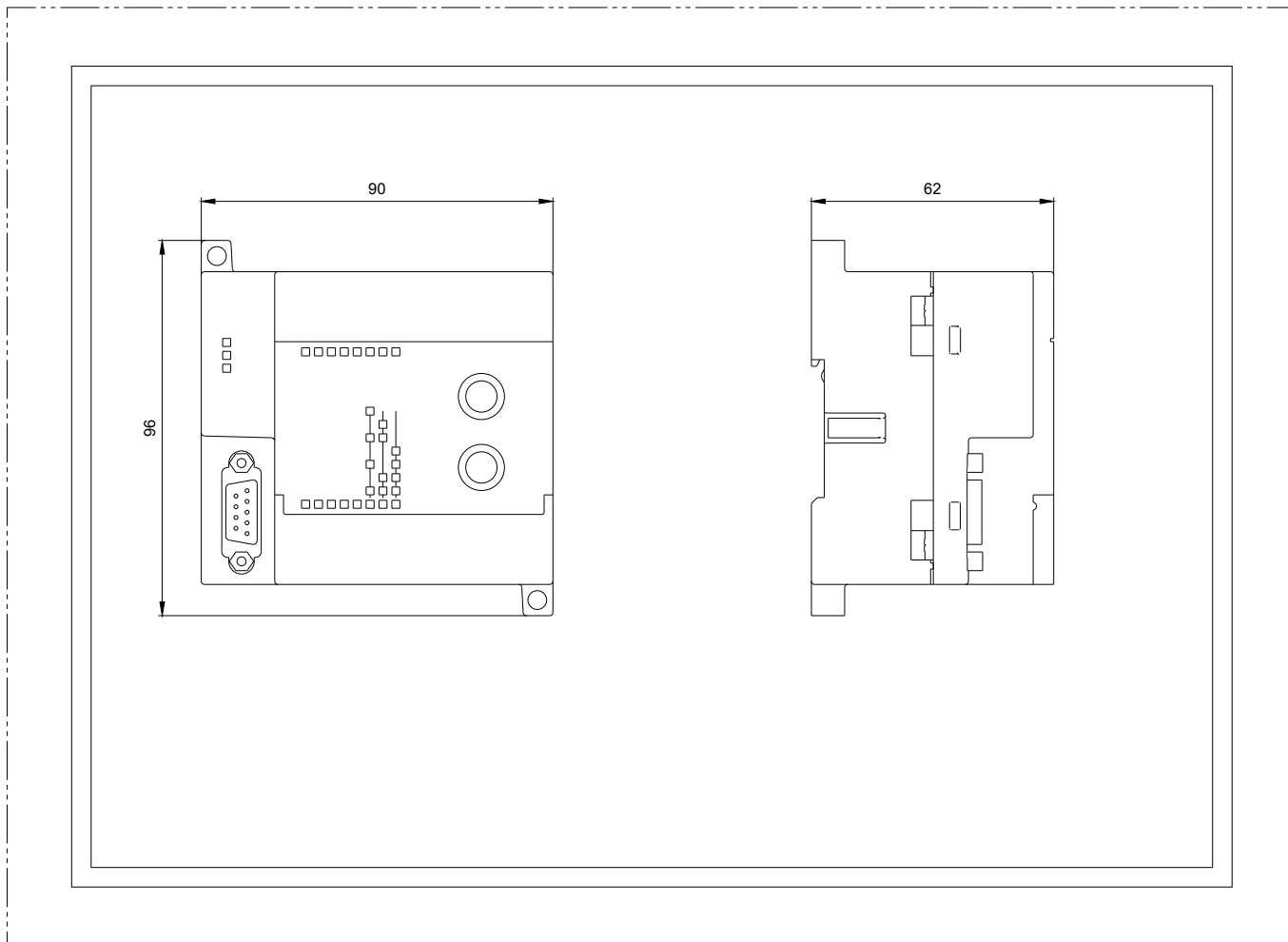**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2AA10

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