

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		
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Note 		from product status 2 / firmware V3.1
Product feature redundancy capability		Yes
<ul style="list-style-type: none"> Note 		in connection with Y-Link
Product function		
<ul style="list-style-type: none"> web-based management 		No
<ul style="list-style-type: none"> Diagnostics via email 		No

<ul style="list-style-type: none"> Galvanic isolation 		Yes
Display version		
<ul style="list-style-type: none"> 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		
<ul style="list-style-type: none"> as AS-Interface 		1
<ul style="list-style-type: none"> acc. to RS 485 		1
<ul style="list-style-type: none"> acc. to Industrial Ethernet 		0
<ul style="list-style-type: none"> acc. to PROFINET 		0
<ul style="list-style-type: none"> acc. to wireless 		0
<ul style="list-style-type: none"> acc. to USB 		0
<ul style="list-style-type: none"> other 		0
Product component optical interface		No
Protocol is supported		
<ul style="list-style-type: none"> ASIsafe (Safety at work) protocol 		No
<ul style="list-style-type: none"> PROFIsafe protocol 		No
<ul style="list-style-type: none"> PROFIBUS protocol 		Yes
<ul style="list-style-type: none"> PROFINET IO protocol 		No
<ul style="list-style-type: none"> PROFINET CBA protocol 		No
<ul style="list-style-type: none"> TCP/IP 		No
<ul style="list-style-type: none"> 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		
<ul style="list-style-type: none"> for 31 slaves 	ms	5
<ul style="list-style-type: none"> 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
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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
			 EG-Konf.

Declaration of Conformity	other
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[Miscellaneous](#)

[Confirmation](#)

Further information

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

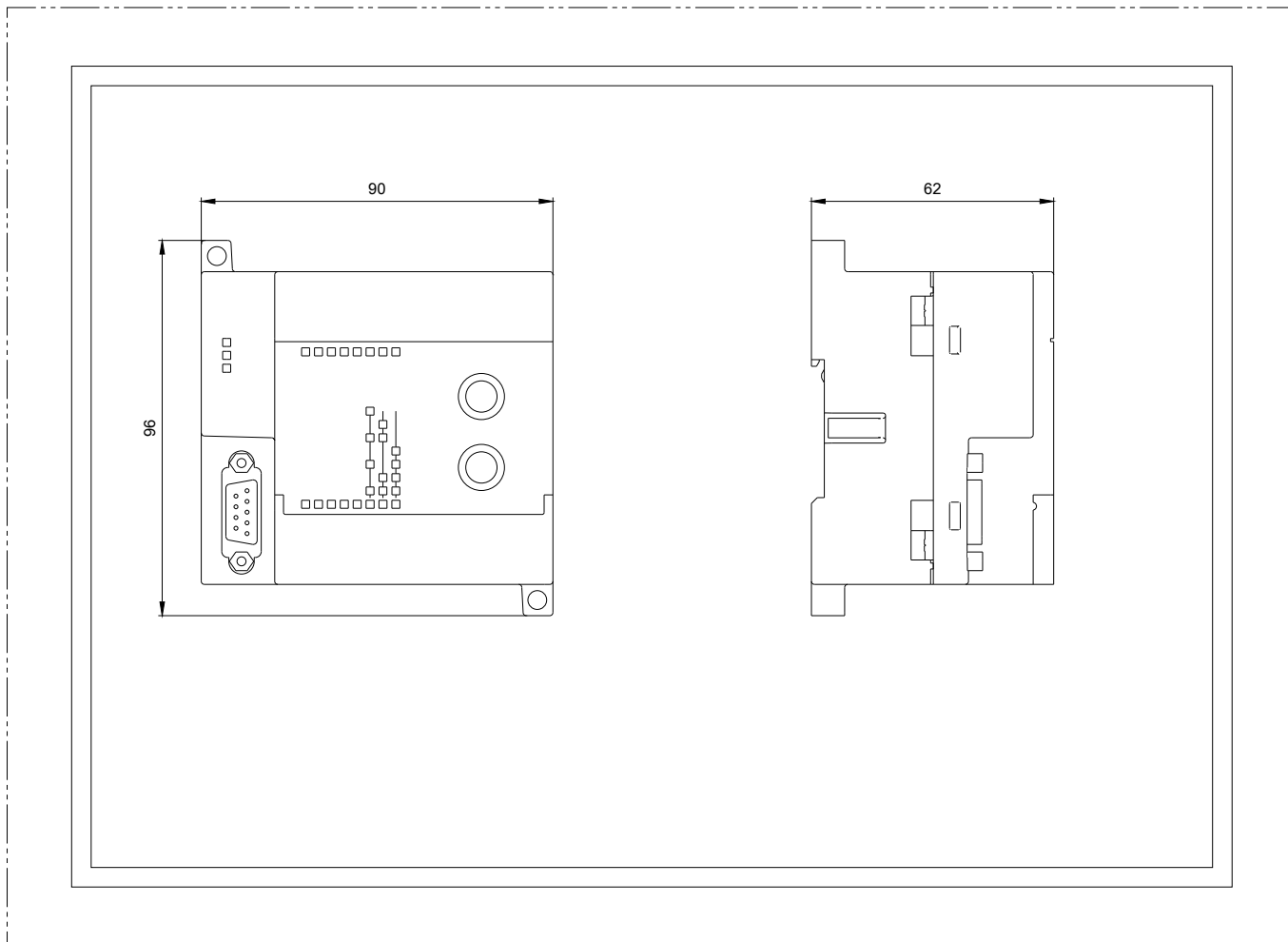
<https://www.siemens.com/ic10>

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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