SIEMENS

SIMATIC NET, DP/AS-INTERFACE LINK 20 E, NETWORK TRANSITION F. PROFIBUS DP/AS-INTERFACE W. MASTER PROFILE M0E/M1E ACC. TO EXTENDED AS-I SPECIFICATION V2.11 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 2.11)
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	3.7
Insulation voltage rated value	V	500
Product function suitable for AS-i Power24V		No
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 2.11
AS-Interface master profile is supported		M3 (in acc. with AS-interface specification V 2.1)
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		248	
Number of outputs for AS Interface maximum		186	
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			

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• EEx ia		No
• EEx ib		No
Explosion protection category for gas		none
Explosion protection category for dust		none

Certificates/ approvals:

General Product Approval	EMC	Declaration of Conformity	other
EAC	RCM	CE EG-Konf.	Miscellaneous Confirmation

Further information

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

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

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2AA01

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6GK1415-2AA01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1415-2AA01&lang=en

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