



DP/AS-i F-LINK,
GATEWAY PROFIBUS DP/AS-i FOR SAFETY-RELATED
DATA TRANSMISSION FROM ASISAFE TO PROFIBUS DP
- PROFISAFE. MASTER PROFILE M3/ M4 ACC. TO
EXTENDED AS-i SPEC.3.0. DEGREE OF PROTECTION
IP20. SCREW TYPE TERMINALS.

General technical data:

Product-type designation		DP/AS-i F-Link
Protection class IP		IP20
Design of the electrical connection / of the AS-Interface		Screw-type connection
Type of voltage supply		via 24 V DC
Operating condition / separate power supply 24 V		Yes
Current consumed • from shaped cables of AS-Interface • at 24 V / with AS-i Power24V / maximum	mA	100
Resistive loss	W	3
Insulation voltage / rated value	V	500
Product function / adapted for AS-i Power24V		No
Product feature / redundancy capability		No
Product function / web-based management		No
Product function / diagnosis via E-mail		No
Product function / galvanic isolation • as status display by LED • as status display via display		Yes DEVICE, ASi, BF, SF Dot-matrix display, 2-line
Type of projection / of the AS-interface		Set pushbutton on device, STEP7, GSD, command interface

Communication:		
Version / of the AS-interface specification		V 3.0
AS-interface masterprofile / will be supported		M4 (in acc. with AS-interface specification V 3.0)
Type of data transmission		PROFIBUS
Number of interfaces • as AS-interface • according to RS 485 • according to Industrial Ethernet • according to PROFINET • according to wireless • according to USB • others		1 1 0 0 0 0 2
Product component / optical interface		No
Protocol / will be supported • ASIsafe(Safety at work) protocol • PROFIsafe protocol • PROFIBUS protocol • PROFINET IO protocol • PROFINET CBA protocol • TCP/IP • SNMP		Yes Yes Yes No No No No
Standard for wireless communication / IEEE 802.11		No

Ein- und Ausgänge:		
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 • at 31 slaves • at 62 slaves	ms ms	5 10
Access to digital I/O data		via process diagram/peripheral addresses and data record transfer
Access to analog I/O data		via process diagram/peripheral addresses and data record transfer

Mechanical design:		
Width	mm	45
Height	mm	111
Depth	mm	124
Type of mounting		snap-on fastening on 35 mm standard mounting rail or screw fastening using an additional push-in lug

Module format		IP20
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Ambient conditions:

Ambient temperature		
• if installed on horizontal mounting rail / during operation	°C	0 ... 50
• during transport	°C	-40 ... +85
• during storage	°C	-40 ... +85
Relative humidity / at 25 °C / during operating / maximum	%	95
Installation altitude / at a height over sea level / maximum	m	2,000

Safety:

Acceptability for application / safety-related function		Yes
Category / according to EN 954-1		4
safety Integrated Level / according to IEC 61508		SIL3
SIL claim limit (for a subsystem) / according to EN 62061		3
Performance level (PL) / according to ISO 13849-1		e
Request class according to DIN V 19250		AK7, AK8
Explosion protection labeling / for intrinsic safety of related operating resources		
• EEX ia		No
• EEX ib		No
Explosion protection category for gas		none
Explosion protection category for dust		none

Certificates/approvals:

General Product Approval		Functional Safety / Safety of Machinery	Declaration of Conformity	
 CSA	 GOST	 UL	 VDE	 EG-Konf.
other				
 ASi	Confirmation	 Profibus	Environmental Confirmations	

Further information:

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

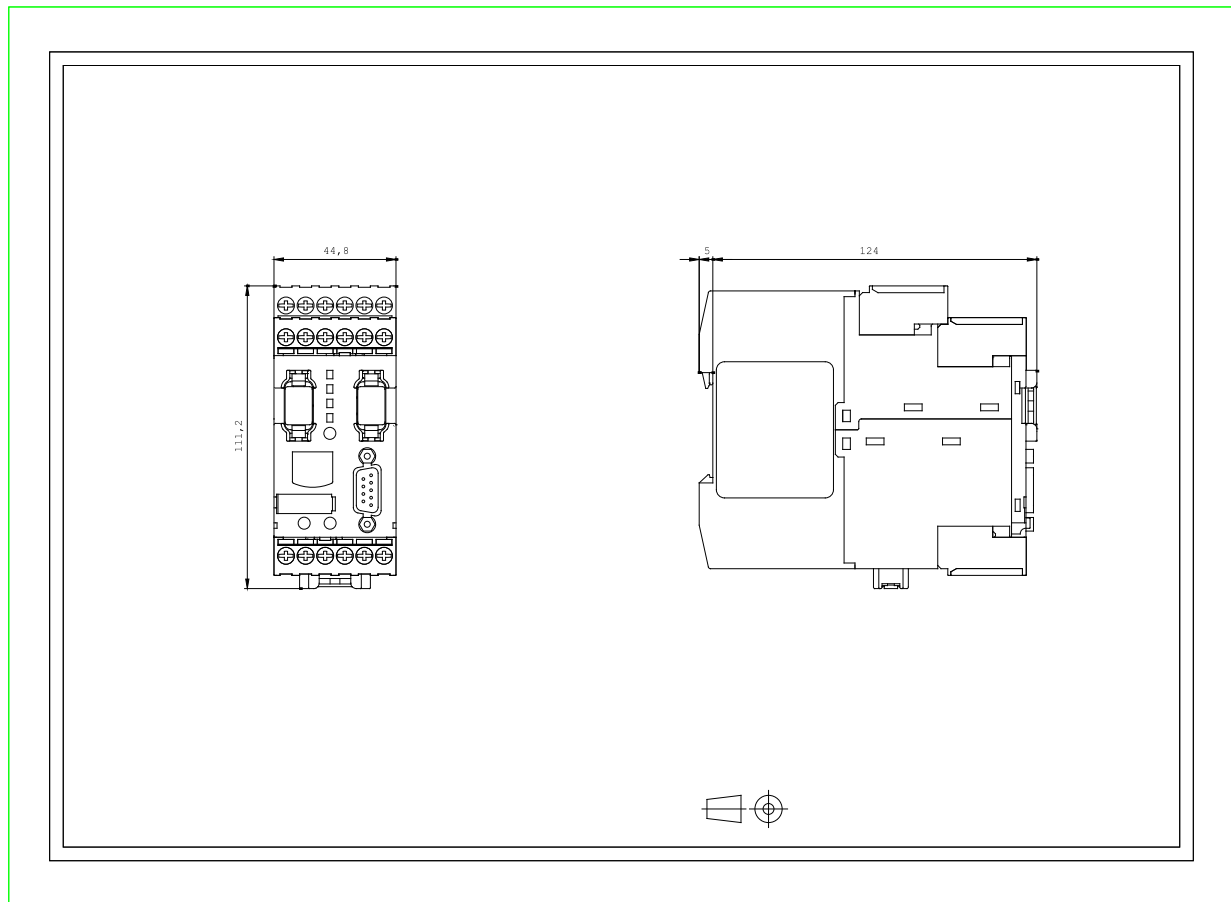
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

<http://www.siemens.com/cax>



last change:

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