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# FL IBS SC/I-T

Order No.: 2831060



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2831060>

## INTERBUS Ethernet gateway, Generation 4

Commercial data	
GTIN (EAN)	 4 017918 818531
sales group	K002
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 120 (AX-2009)

### Product notes

WEEE/RoHS-compliant since:  
08/29/2008



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

Interfaces	
Interface	Ethernet
Type of connection	1 port 10/100Base-T(X), autonegotiation
Transmission speed	10/100 MBit/s
Transmission length	100 m
Interface	INTERBUS master interface

Type of connection	9-pos. D-SUB socket strip
Interface	Diagnostics INTERBUS
Type of connection	6-pos. MINI-DIN female connector
Transmission speed	9600 Baud

**Function**

Basic functions	Ethernet: Terminal equipment, complies with IEEE 802.3, TCP/IP protocol, BootP and TFTP-capable INTERBUS: Generation 4 master
Management	Integrated Management Agent, SNMP-protocol, integrated Web server function
Supported browsers	Netscape Communicator versions 4.5 and up or Internet Explorer versions 4.01 and up
Status and diagnostic indicators	Two-digit, seven-segment display and LEDs: UL (communications voltage), COL (collision), Link, Receive, Transmit, Full Duplex, 100 Mbps Wirespeed, INTERBUS: RDY/RUN, BSA, FAIL, PF
Number of supported devices	512 (of which 256 are remote bus devices/segments)
Number of process data	256 words (4096 binary inputs/outputs)
Number of devices with parameter channel (PCP)	62

**Supply voltage**

Supply voltage	24 V DC (via COMBICON; max. conductor cross section 2.5 mm <sup>2</sup> )
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Supply voltage range	18.5 V DC ... 30.2 V DC
Typical current consumption	200 mA (to U <sub>S</sub> )

**General data**

Weight	240 g
Width	45 mm
Height	99 mm
Depth	117 mm
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	30 % ... 95 % (no condensation)
Permissible humidity (storage/transport)	30 % ... 95 % (no condensation)
Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)

Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)
Noise emission	EN 50081-2
Noise immunity	EN 61000-6-2:2005

**Mechanical tests**

Type of test	Shock test in acc. with IEC 60068-2-27
Test result	Operation: 25 g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Shock test in acc. with IEC 60068-2-27
Test result	Storage/Transport: 50 g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Vibration resistance in acc. with IEC 60068-2-6
Test result	Operation/Storage/Transport: 5 g, 150 Hz, Criterion 3
Type of test	Free fall in acc. with IEC 60068-2-32
Test result	1 m

**Conformity with EMC directives**

Developed in acc. with standard	IEC 61000-6.2
Test standard	IEC 61000-4-2 (ESD)
Test result	Criterion B
Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	Criterion A
Test standard	IEC 61000-4-4 (burst)
Test result	Criterion B
Test standard	IEC 61000-4-5 (surge)
Test result	Criterion B
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	Criterion A
Test standard	EN 55011 (emitted interference)
Test result	Class A

**Certificates / Approvals**



Certification CUL, GOST, UL

Certification Ex: CUL-EX LIS, UL-EX LIS



<b>Accessories</b>		
Item	Designation	Description
<b>Cable/conductor</b>		
2744830	FL CAT5 FLEX	CAT5-SF/UTP cable (J-LI02YS(ST)C H 2 x 2 x 26 AWG), light-duty, flexible installation cable 2 x 2 x 0.14 mm <sup>2</sup> , stranded, shielded, outer sheath: 5.75 mm ± 0.15 mm diameter
2744814	FL CAT5 HEAVY	CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, 2 x 2 x 0.22 mm <sup>2</sup> , solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm ± 0.15 mm diameter
<b>Literature</b>		
2832056	CD FL IBS SC	CD-ROM, with user documentation in PDF format, driver software and sample programs
<b>Plug/Adapter</b>		
2744571	FL PLUG RJ45 GN/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used.
2744856	FL PLUG RJ45 GR/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve.
2730611	PRG CAB MINI DIN	Connection cable, to connect Remote Field Controllers to a PC (RS-232) for PC WORX, 3 m in length
<b>Software</b>		
2831044	FL SWT	Factory Manager, multilingual, configuration and diagnostics software for ETHERNET networks in automation
2721439	IBS CMD SWT G4	Network configuration software for INTERBUS Generation 4
2721442	IBS CMD SWT G4 E	Network configuration software for INTERBUS Generation 4
2729127	IBS OPC SERVER	INTERBUS OPC server, communication interface between distributed INTERBUS and Ethernet networks and visualizations.
<b>Tools</b>		
2744869	FL CRIMPTOOL	Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site

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