

Ethernet gateway - FL IBS SC/I-T - 2831060

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



INTERBUS Ethernet gateway, Generation 4



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 818531
GTIN	4017918818531

Technical data

Dimensions

Width	45 mm
Height	99 mm
Depth	117 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
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)

Interfaces

Interface 1	Ethernet
Transmission length	100 m
Interface 3	Diagnostics INTERBUS
Connection method	6-pos. MINI-DIN female connector

Ethernet gateway - FL IBS SC/I-T - 2831060

Technical data

Function

Basic functions	Ethernet: Terminal equipment, complies with IEEE 802.3, TCP/IP protocol, BootP and TFTP-capable
	INTERBUS: Generation 4 master
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)
Amount of process data	256 words (4096 binary inputs/outputs)
Number of devices with parameter channel	62

Supply voltage

Supply voltage	24 V DC (via COMBICON; max. conductor cross section 2.5 mm²)
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Supply voltage range	18.5 V DC ... 30.2 V DC
Typical current consumption	200 mA (to U _S)

General

Mounting type	DIN rail
Type AX	Stand-Alone
Net weight	316.4 g

Mechanical tests

Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Operation: 25g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Storage/Transport: 50g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	Operation/Storage/Transport: 5g, 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)

Ethernet gateway - FL IBS SC/I-T - 2831060

Technical data

Conformity with EMC directives

Test result	Criterion A
Test standard	EN 55011 (emitted interference)
Test result	Class A

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Operation: 25g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Storage/Transport: 50g, 11 ms duration, semi-sinusoidal shock impulse
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	Operation/Storage/Transport: 5g, 150 Hz, Criterion 3
Type of test	Free fall in acc. with IEC 60068-2-32
Test result	1 m
Noise emission	EN 50081-2
Noise immunity	EN 61000-6-2:2005
Free from substances that could impair the application of coating	In acc. with VW specification
Connection in acc. with standard	CUL

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2831060](#)