

FL IBS SC/I-T - Ethernet gateway



2831060

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INTERBUS Ethernet gateway, Generation 4



Commercial data

Item number	2831060
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR14
Product key	DRECAC
GTIN	4017918818531
Weight per piece (including packing)	333.1 g
Weight per piece (excluding packing)	316.4 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Product properties

Type	Stand-alone
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Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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System properties

INTERBUS-Master

Amount of process data	256 words (4096 binary inputs/outputs)
Number of supported devices	512 (of which 256 are remote bus devices/segments)
Number of devices with parameter channel	62

INTERBUS-Slave

Amount of process data	256 words (4096 binary inputs/outputs)
Number of PCP words	256 words (4096 binary inputs/outputs)

Functionality

Basic functions	Ethernet: Terminal equipment, complies with IEEE 802.3, TCP/IP protocol, BootP and TFTP-capable
	INTERBUS: Generation 4 master

System requirements

Supported browsers	Netscape Communicator versions 4.5 and up or Internet Explorer versions 4.01 and up
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Electrical properties

Power consumption	typ. 4.8 W
Maximum power dissipation for nominal condition	4 W
Test section	500 V AC 50 Hz 1 min
Transmission medium	Copper

Supply

Supply voltage	24 V DC (via COMBICON; max. conductor cross-section 2.5 mm ²)
Supply voltage range	18.5 V DC ... 30.2 V DC
Power supply connection	Via COMBICON, max. conductor cross-section 2.5 mm ²
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Typical current consumption	200 mA (to U _S)

Connection data

Connection method	10/100 Base-T(X), auto negotiation
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Interfaces

Ethernet

Connection method	1 port 10/100Base-T(X), auto negotiation
Transmission length	100 m

INTERBUS master interface

Connection method	9-pos. D-SUB socket strip
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Diagnostics INTERBUS

Connection method	6-pos. MINI-DIN female connector
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Signaling

Status display	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
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Dimensions

Width	45 mm
Height	99 mm
Depth	117 mm

Material specifications

Color	green
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Mechanical tests

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

Environmental and real-life conditions

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)
Resistance to gases that may endanger the functions, in acc. with DIN 40046-36, DIN 40046-37	Sulfur dioxide (SO ₂) 10 ±0.3 cm ³ /m ³ , hydrogen sulfide (H ₂ S) 1 ±0.3 cm ³ /m ³ , at 25 °C and 75% humidity and exposure of four days

EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B
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Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-3 (immunity to radiated interference) Criterion A
	IEC 61000-6-2 IEC 61000-4-4 (burst) Criterion B
	IEC 61000-6-2 IEC 61000-4-5 (surge) Criterion B
	IEC 61000-6-2 IEC 61000-4-6 (immunity to conducted interference) Criterion A
	IEC 61000-6-2 EN 55011 (emitted interference) Class A
Noise immunity	EN 61000-6-2:2005

Noise emission

Standards/regulations	EN 50081-2
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Standards and regulations

Free from substances that could impair the application of coating	In acc. with VW specification
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Mounting

Mounting type	DIN rail mounting
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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