EM-RS232-GATEWAY-IFS - Data interface

2901526

https://www.phoenixcontact.com/us/products/2901526

PHŒNIX CONTACT

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 documentation. Our general terms of use for downloads are valid.

Gateway for the connection of up to 32 INTERFACE system devices to a higher-level controller via Modbus/RS-232. The INTERFACE system devices are connected to the Gateway via DIN rail connectors, the DIN rail connectors are provided.

Commercial data

Item number	2901526
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C477
Product key	CK7724
Catalog page	Page 16 (C-5-2017)
GTIN	4046356607070
Weight per piece (including packing)	196.1 g
Weight per piece (excluding packing)	196.1 g
Customs tariff number	85389091
Country of origin	DE

EM-RS232-GATEWAY-IFS - Data interface

2901526

https://www.phoenixcontact.com/us/products/2901526

Technical data

Product properties

Product type	Gateways/Proxies
Operating mode	100% operating factor

Data management status

Article revision	01

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Supply

Rated control circuit supply voltage U_S	24 V DC -20 % ... +25 %
Rated control supply current I_S	85 mA (plus load current of the outputs)
Protective circuit	Reverse polarity protection
	Surge protection

Input data

Digital

Number	8
Rated actuating voltage U_C	24 V DC ±20 %
Rated actuating current I_C	3 mA
Protective circuit	Reverse polarity protection
	Surge protection

Output data

Digital: Switching outputs

Number	4
Residual voltage	1 V
Maximum switching voltage	23 V DC (U_B - $U_{resid.}$ of the output)
Max. switching current	500 mA
Protective circuit	Parallel protection against polarity reversal, pay attention to the fuse (Fusing with max. 8 A F-fuse)

Connection data

Supply

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm² ... 2 mm²

Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

Programming connection

Connection method	S-PORT (socket)
Number of connections	1
Number of positions	12

INTERFACE system

Connection method	DIN rail bus connectors
Number of connections	1
Number of positions	5

RS-232

Connection method	Screw connection
Number of connections	1
Number of positions	4

Interfaces

Data: Interface-System

Data rate	76800 Baud
Serial transmission speed	76.8 kbps
Connection method	DIN rail bus connectors
	S-PORT (male connector)

Data: RS-232

Serial transmission speed	9.6 k ... 115 kbaud
Connection method	MSTB plug entry

Data: Network interface

Communication protocol	RS-232
Connection method	Screw connection
Number of connections	1
Number of positions	4

Data: Service interface

Communication protocol	INTERFACE-System
Connection method	S-PORT (socket)
Number of connections	1
Number of positions	12

Data: Device bus

Communication protocol	INTERFACE-System
Connection method	DIN rail bus connectors
Number of connections	1
Number of positions	5
Transmission speed	76.8 kbps

Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Material specifications

Color	green (RAL 6021)
Housing material	Polyamide PA non-reinforced

Environmental and real-life conditions

Ambient conditions

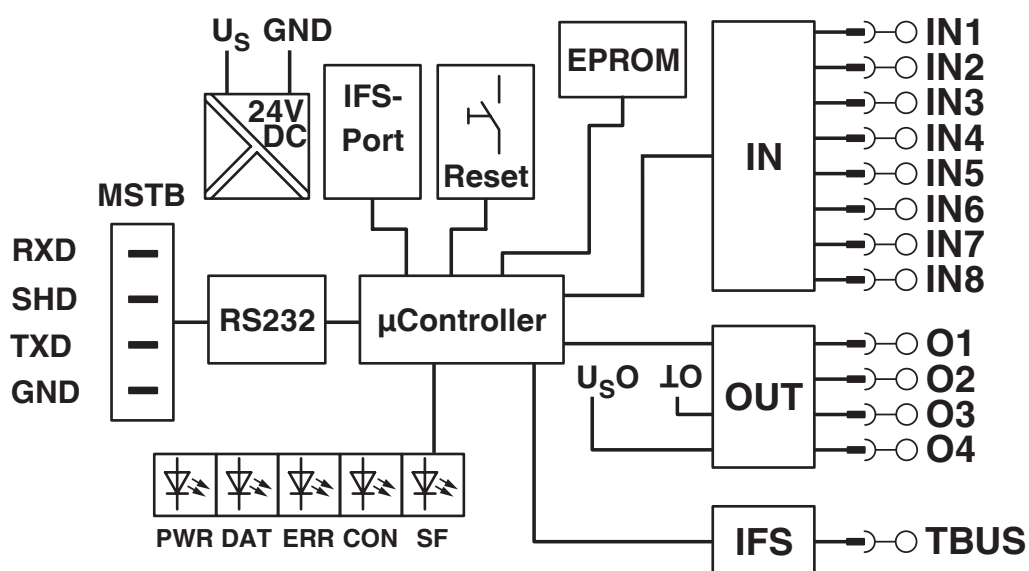|	
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 50 °C
Ambient temperature (storage/transport)	-35 °C ... 80 °C

Standards and regulations

Standards/regulations	EN 50178

Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

EM-RS232-GATEWAY-IFS - Data interface

Drawings

Block diagram

Schematic diagram
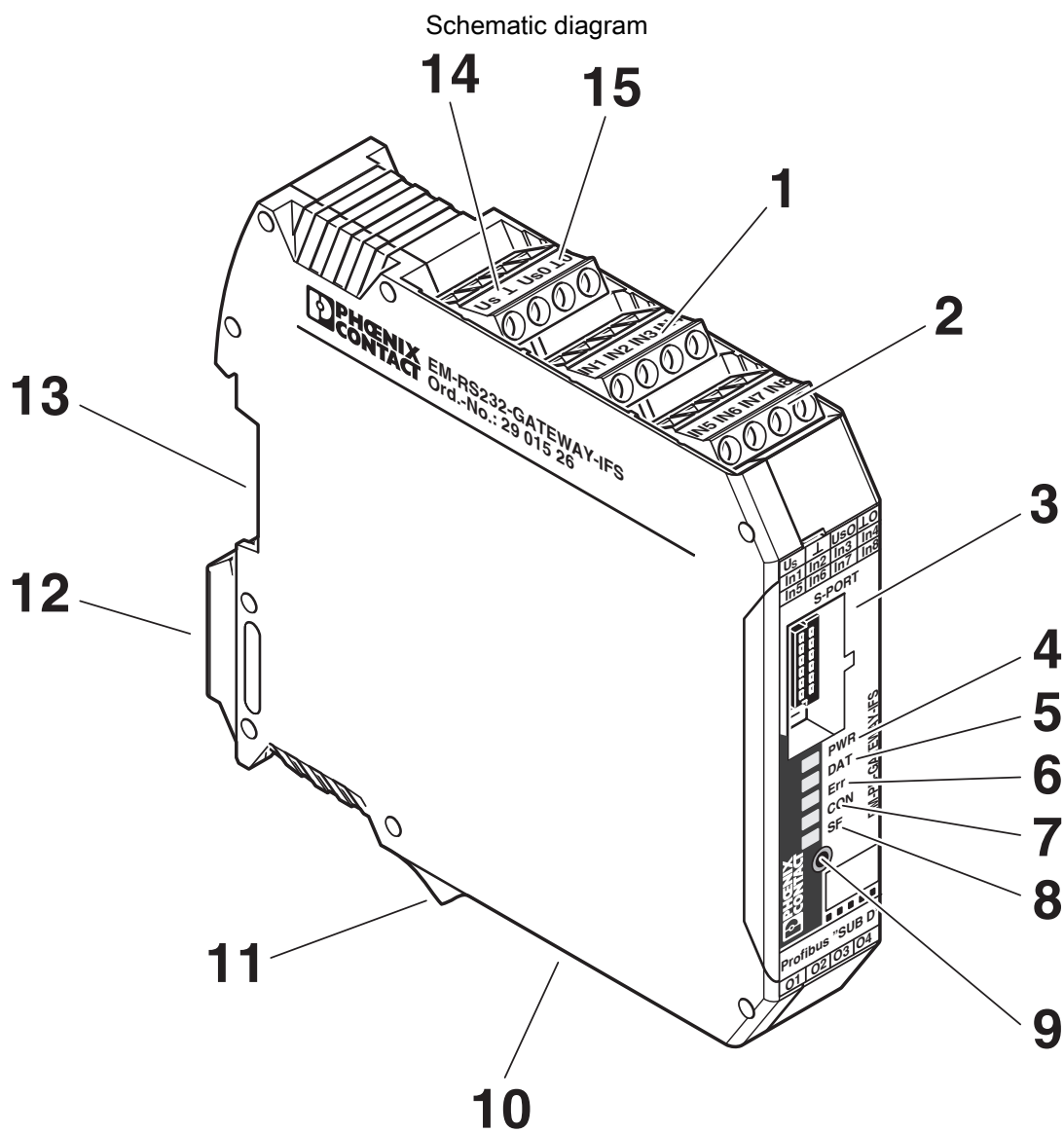
Environmental product compliance

EU RoHS

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

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

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

EM-RS232-GATEWAY-IFS - Data interface

2901526

https://www.phoenixcontact.com/us/products/2901526

Mandatory accessories

IFS-USB-DATACABLE - Data cable

2320500

https://www.phoenixcontact.com/us/products/2320500

Used for communicating between industrial PCs and Phoenix Contact devices with the 12-pos. IFS data port, such as QUINT UPS or TRIO UPS.

Accessories

IFS-CONFSTICK-L - Memory block

2901103

https://www.phoenixcontact.com/us/products/2901103

Multi-functional memory block with handle for the INTERFACE system; for easy storage and back up of the configuration.

EM-RS232-GATEWAY-IFS - Data interface

2901526

https://www.phoenixcontact.com/us/products/2901526

IFS-CONFSTICK - Memory block

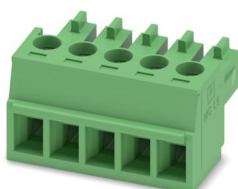2986122

https://www.phoenixcontact.com/us/products/2986122

Multi-functional memory block for the INTERFACE systemf for easy storage and backup of the configuration.

MC 1,5/ 5-ST-3,81 - PCB connector

1803604

https://www.phoenixcontact.com/us/products/1803604

PCB connector, nominal cross section: 1.5 mm^2, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: MC 1,5/..-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

EM-RS232-GATEWAY-IFS - Data interface

2901526

https://www.phoenixcontact.com/us/products/2901526

IMC 1,5/ 5-ST-3,81 - PCB connector

1857919

https://www.phoenixcontact.com/us/products/1857919

PCB connector, nominal cross section: 1.5 mm^2, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Pin, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: IMC 1,5/..-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

IMC 1,5/ 5-ST-3,81SET IL IFS 2M - Plug

1784729

https://www.phoenixcontact.com/us/products/1784729
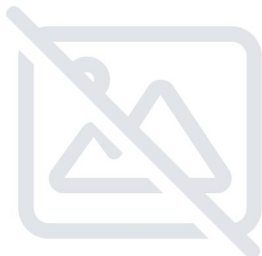
Assembled connecting cable, IL-IFS, 2 m in length

EM-RS232-GATEWAY-IFS - Data interface

2901526

https://www.phoenixcontact.com/us/products/2901526

ME 22,5 TBUS 1,5/ 5-ST-3,81 GN - DIN rail bus connectors

2707437

https://www.phoenixcontact.com/us/products/2707437
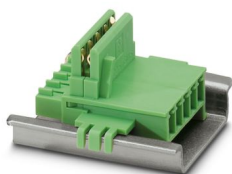
DIN rail connector, color: green, nominal current: 8 A (parallel contacts), rated voltage (III/2): 125 V, number of positions: 5, product range: TBUS5-22,5.., pitch: 3.81 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 5 parallel contacts

IFS-BT-PROG-ADAPTER - Adapter

2905872

https://www.phoenixcontact.com/us/products/2905872

Bluetooth adapter with micro USB and S-PORT interface for wireless communication with the MINI Analog, MINI Analog Pro, MACX Analog, Interface System Gateways, and PLC logic device series.

EM-RS232-GATEWAY-IFS - Data interface

2901526

https://www.phoenixcontact.com/us/products/2901526

US-EMLP (15X5) - Plastic label

0828790

https://www.phoenixcontact.com/us/products/0828790

Plastic label, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 15 x 5 mm, Number of individual labels: 189

UC-EMLP (15X5) - Plastic label

0819301

https://www.phoenixcontact.com/us/products/0819301

Plastic label, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, lettering field size: 15 x 5 mm, Number of individual labels: 10

EM-RS232-GATEWAY-IFS - Data interface

2901526

https://www.phoenixcontact.com/us/products/2901526

EM-D-8/4-24DC-IFS - Extension module

2904473

https://www.phoenixcontact.com/us/products/2904473

For more complex applications with Interface system devices (IFS), the extension module offers digital inputs and outputs for processing additional signals in the field. Easy connection to IFS gateway via the DIN rail connector as the slave.