PHŒNIX CONTACT

IoT gateway - CLOUD IOT GATEWAY - 1031235

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Cloud IoT gateway for integrating new and existing systems without additional engineering costs. Thanks to simple process connection using protocols such as Modbus/TCP, sensor and process data can be collected, processed, and monitored in the Proficloud.

Your advantages

☑ Direct connection to the Proficloud, the open IoT platform

☑ Compact housing

☑ Easy configuration, thanks to web-based management

☑ Dashboard for easy visualization of sensor and processor data

☑ Various protocols supported, e.g. Modbus/TCP

☑ Robust hardware for use in the industrial environment

☑ Secure transmission, thanks to TLS (Transport Layer Security) encryption

RoHS

PROFICLOUD
Professional Cloud Solutions

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 534169
GTIN	4055626534169
Weight per Piece (excluding packing)	144.500 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C up to 2000 m above mean sea level

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Technical data

Ambient conditions

Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	30 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	5 % ... 95 %
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	58 kPa ... 106 kPa (up to 4500 m above mean sea level)
Shock	30g, 11 ms period, half-sine shock pulse, according to IEC 60068-2-27

Control system

Supports cloud computing	yes
Cloud platform	Proficloud

Mechanical design

Weight	144.5 g
Note on weight specifications	with connectors

Data interfaces

Interface	RS-232
Connection method	COMBICON connectors
Interface	RS-485
Number	1
Connection method	COMBICON connectors
Interface	Ethernet
Number	2
Connection method	RJ45
Transmission speed	100 Mbps
Protocols supported	Modbus/RTU (Master)
	Modbus/RTU
	Modbus/TCP, HTTPS
Interface	Service
Number	1
Connection method	USB type C

Power supply

Typical current consumption	200 mA
Supply voltage	24 V DC -20 % / +15 %
Supply voltage range	18 V DC ... 30 V DC

General data

Processor	Arm® Cortex®-A8 1x 600 MHz

IEC 61131 runtime system

Realtime clock	Yes

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU

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Technical data

Standards and Regulations
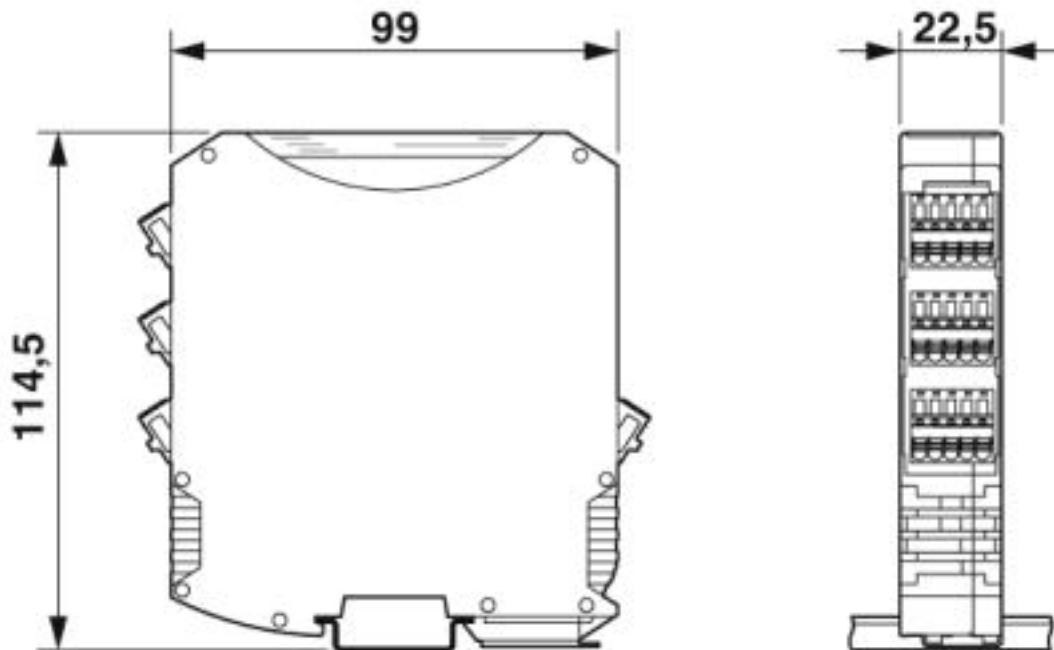
Interference emission	Noise emission test according to EN 61000-6-3 Class B
Immunity to surge	Noise immunity test in accordance with EN 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 Criterion B, DC supply lines: ±0.5 kV/±0.5 kV (symmetrical/asymmetrical), fieldbus cable shield: ±1 kV
Immunity to burst	Noise immunity test in accordance with EN 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion B, 2 kV
Immunity to EF	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m
Immunity to ESD	Noise immunity test in accordance with EN 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion B, 6 kV contact discharge, 8 kV air discharge
Immunity to conducted interference	Noise immunity test in accordance with EN 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V
Shock	30g, 11 ms period, half-sine shock pulse, according to IEC 60068-2-27
Shock (operation)	10g (Bump endurance test according to DIN EN 60068-2-27)

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing

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Classifications

eCl@ss

eCl@ss 5.1	27242608
eCl@ss 6.0	27242600
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	27242608

ETIM

ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001604
ETIM 6.0	EC001604
ETIM 7.0	EC001604

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705

cULus Listed			