

Protocol converter - RESYGATE 3000 - 2400129

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>)



Protocol converter for up to 4000 PV (process variables) for converting serial communication to Ethernet-based communication for modernizing or combining networks.

Product Description

Resygate 3000 is a protocol converter for up to 4000 PV (process variables). It converts serial and/or TCP-based remote control protocols into standard IEC 60870-5-104 and IEC 60870-5-101 Balanced protocols. Resygate functions as a universal protocol converter with network-capable process connection. In addition, it can be used as a protocol converter or substation for network-isolated connections between control systems.

Your advantages

- ✔ Protocol converter for 4000 process variables
- ✔ 3 serial interfaces
- ✔ Converts the protocols IEC 60870-5-104, IEC 60870-5-101, Modbus/RTU, Modbus/TCP to IEC 60870-5-104 or IEC 60870-5-101
- ✔ Connection of stations via GSM or UMTS
- ✔ Connect up to 18 serial terminal devices (depending on protocol)
- ✔ Configure local stations easily using pre-installed software with automatic plausibility check
- ✔ Use IP address ranges more effectively by forming sub-networks
- ✔ Fail-safe thanks to four-fold software redundancy (one converter, four different control systems)



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356956215

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

Display

Display	without display
Screen resolution	for without

Protocol converter - RESYGATE 3000 - 2400129

Technical data

Display

Backlighting	without
Touch technology	without

Computer data

Processor	Intel® Celeron® N2930 1.83 GHz/2.16 GHz
Cooling	passive
Operating systems	Linux
RAM	2 GB DDR3 SODIMM
Mass storage	4 GB CFast® card
Network	2x Ethernet (10/100/1000 Mbps), RJ45
Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	3x USB 2.0
	1x USB 3.0
Monitor output	2x DisplayPort
Slots	without slots
Supported remote control protocols	IEC 60870-5-101 Balanced Mode
	IEC 60870-5-101 Unbalanced Mode
	IEC 60870-5-104 Client
	IEC 60870-5-104 Server, max. 4 Client
	Modbus RTU Master
	Modbus TCP Master
Optical drive	without drive
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Mounting type	DIN rail mounting
Weight	1.4 kg

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	15g, 11 ms in accordance with IEC 60068-2-27

Device supply

Power consumption	typical
Power supply unit	24 V DC ±20 %

Protocol converter - RESYGATE 3000 - 2400129

Technical data

Standards and Regulations

Shock	15g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 5.1	27240601
eCl@ss 6.0	19200102
eCl@ss 7.0	19200102
eCl@ss 8.0	19200102
eCl@ss 9.0	19200101

ETIM

ETIM 4.0	EC001413
ETIM 5.0	EC001413
ETIM 6.0	EC001413

UNSPSC

UNSPSC 13.2	43211509
-------------	----------

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
-----------	--	---	---------------

Protocol converter - RESYGATE 3000 - 2400129

Approvals

cUL Listed



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

cULus Listed



Accessories

Spare parts

Printed-circuit board connector - MSTB 2,5/ 3-STF - 1786844

PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 3, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



Phoenix Contact 2020 © - 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>