UNIGATE® FALCON

Protocol Converter / Gateways for DINrail

Norm compliant
Certified
Configurable
Programmable

Ready-to-use
Designed and manufactured in Germany

Data sheet

PROFINET interface:

PROFINET Conformance Class B (Real-Time, use in an IRT network possible)

Max. 1016 bytes of input data and 1016 bytes of output data

Cyclical data exchange

Acyclical data exchange

100 Mbit/s - 100Base-Tx

PROFINET configuration via GSDML file

MRP

S2 system redundancy

Isolated 2x RJ45 connection (integrated 2 port switch)

Ethernet interface:

TCP/P configuration via web interface

Isolated 1x RJ45 connection

100 Mbit/s

FTP server

Web server

Serial interfaces:

RS422

RS485
Transmission rate max. 6 MBaud

RS232

Implemented protocols:

Modbus RTU Master

Modbus RTU Slave

Modbus ASCII Master

Modbus ASCII Slave

ASCII (Generic)

Debug interface (µ-USB):

Debugging script

Programming (optional):

Scriptprogramming
Software Protocol Developer

Deutschmann script language

Creating scripts for standard protocols

Creating scripts for proprietary protocols

Service menu (push button):

Restart

Restore defaults

RS-Termination

Technical data

Variant	DIN rail
Diemensions (WxDxH in mm)	25 x 95 x 86,5 (connector plug included)
Weight	approx. 105 g
Protection class	IP20
Housing material	Polyamid
Mounting	DINrail (EN 50022)
Power supply	10 to 33 Volt DC Protection against incorrect polarity, short circuit and overload integrated
Operating temperature	-25°C (non condensing) up to +70°C
Storage-/transport temperature	-40°C ... +100°C
Push button	Service menu (Re-Start/Factory reset/RS-Termination)
Interfaces:	
Serial	RS422/RS484 up to 6 MBaud, RS232
PROFINET	PROFINET device interface, conformance class B, real-time communication (RT) Note: Can also be operated in an IRT network.
Ethernet	web interface (configuration)
µ-USB	Debug interface

Order data

Order designation	Description	Order number
UNIGATE FN-ECO-PN	Mounting: On DIN rail; Operating voltage: 10-33V/DC; Connection type plug: Push-in spring connection; Front cover: transparent hinged cover; Service menu (via push-button); Available interfaces: PROFINET device interface (2 port switch), serial interfaces (RS232, RS422 and RS485), Ethernet interface (configuration), debug interface (via µ-USB); Configuration via web interface or individual script (Software Protocol Developer); device color: Front + housing blue, connector black (blue: similar to RAL 5015) (black: similar to RAL 9005)	V6003
UNIGATE FN-ECO-GY-PN	Mounting: On DIN rail; Operating voltage: 10-33V/DC; Connection type plug: Push-in spring connection; Front cover: transparent hinged cover; Service menu (via push-button); Available interfaces: PROFINET device interface (2 port switch), serial interfaces (RS232, RS422 and RS485), Ethernet interface (configuration), debug interface (via µ-USB); Configuration via web interface or individual script (Software Protocol Developer); device color: Front + housing + connector light grey (light grey: similar to RAL 7035)	V6004
Optional	Customized design	on request