UNIGATE® FALCON

Protocol Converter / Gateways for DINrail



Norm compliant
Certified
Configurable
Programmable

Ready-to-use
Designed and manufactured in Germany

Data sheet

INDUSTRIALCOMMS

EtherCAT-Schnittstelle:

EtherCAT-Slave

CANopen over Ethernet (CoE) supported

Max. 1024 bytes of input data and 1024 bytes of output data

Cyclical data exchange

Acyclical data exchange

100 Mbit/s

Isolated EtherCAT interface with 2x RJ45 connectors (IN and OUT)

EtherCAT configuration via ESI file

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
Dimensions (WxDxH in mm)	25 x 95 x 86,5 (screw-plug-connector included)
Weight	approx. 105 g
Protection class	IP20
Housing material	Polyamid
Mounting	DINrail (EN 50022)
Voltage supply	10 to 33 Volt DC Protection against incorrect polarity, short circuit and overload integrated
Operating temperature	-25°C (no condensation) up to +70°C
Storage temperature	-40°C ... +100°C
Push button	Service menu (Re-Start/Factory reset/RS-Termination)
Interfaces	
Serial	RS422/RS485 up to 6 MBaud, RS232
EtherCAT	EtherCAT salve, CANopen over Ethernet (CoE)
Ethernet	webinterface (configuration)
µUSB	Debug interface

Order data

Order designation	Description	Order number
UNIGATE FN-ECO-EC	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)	V6006
UNIGATE FN-ECO-GY-EC	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)	V6007
Optional	Customized design	on request

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