

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

Cyclical data exchange

Acyclical data exchange

100 Mbit/s

FTP server

Web server

PROFINET configuration via GSDML file

MRP

S2 system redundancy

Isolated 2x RJ45 connection (integrated 2 port switch)

Serial interfaces:

RS232/RS422/RS485 on board

Transmission rate max. 6 MBaud

Implemented protocols:

Modbus RTU Master

Modbus RTU Slave

Modbus ASCII Master

Modbus ASCII Slave

SSI (on request)

3964R

ASCII

Ethernet interface:

TCP/P configuration via web interface

Isolated 1x RJ45 connection

1 TCP/IP socket interface

1 CAN-FD interface:

CANopen

CAN Layer 2 (CAN-FD/CAN 2.0A/CAN 2.0B)

Technical data

Variant	DIN rail
Dimensions (WxDxH in mm)	25 x 95 x 95 (connector plug included)
Weight	approx. 105 g
Protection class	IP20
Housing material	Polyamid
Mounting	DINrail (EN 50022)
Power supply	10 up 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
Interfaces:	
Serial	RS232/RS422/RS484 up to 6 MBaud
PROFINET	PROFINET device interface, conformance class B, real-time communication (RT) Note: Can also be operated in an IRT network.
¹Ethernet	100Base-TX
¹CAN	CANopen, CAN-FD, CAN 2.0A, CAN 2.0B
Galvanic division	CAN-FD
¹Option	Activation via chargeable activation code

Order data

Order designation	Description	Order number
UNIGATE FN-PRO-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); Optional: CAN interface (CANopen/CAN Layer 2/CAN FD), Fast Ethernet 1Port interface, USB-A, back panel bus (FXport); device color: Front blue, housing + connector black (blue: similar to RAL 5015) (black: similar to RAL 9005)	V6000
UNIGATE FN-PRO-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); Optional: CAN interface (CANopen/CAN Layer 2/CAN FD), Fast Ethernet 1Port interface, USB-A, back panel bus (FXport); device color: Front + housing + connector light grey (light grey: similar to RAL 7035)	V6001
Optional	Customized design	on request