

Gateway for ADS Uptime 800 Series encoders

- Incremental signal transmission pass through
- Designed for existing cable installations
- Built-in OPC-UA Server
- DIN-mounted
- Requires: ADS Uptime 800 Series Encoder



Electrical specification

Power supply	9-30 Vdc
Polarity protected	Yes
Current consumption	Typical 100mA at 24 Vdc.
Output interface	OPC-UA
Addressing [IP]	Local discovery [LDS], manually set IP via internal web server
Supported encoders	800-series ADS Uptime
Link to encoder interface	Data over power cable [SIG60] or RS-485 (supported by some encoders)
Encoder power supply	9-36 Vdc
Max output current to encoder	400 mA
Max cable length Drive - ADS Link - Encoder	See encoder datasheet
Max cable length ADS Link - Encoder	250m [RS-485], 200m [Transmission over power cable]
Device server profile	Nano Embedded Device Server Profile*
OPC-UA Version	Specification 1.03

*Some functionality from higher profiles supported

Mechanical specification

Material housing	Polyamide
Weight	Approx. 160g
Temperature, (operating, storage)	0 °C .. +70 °C
Connection Front	RJ45 for Ethernet connection to OPC-UA server
Connection encoder side	3x 4-pin spring terminals
Connection drive side	3x 4-pin spring terminals
Mechanical mounting	DIN-rail

Connection

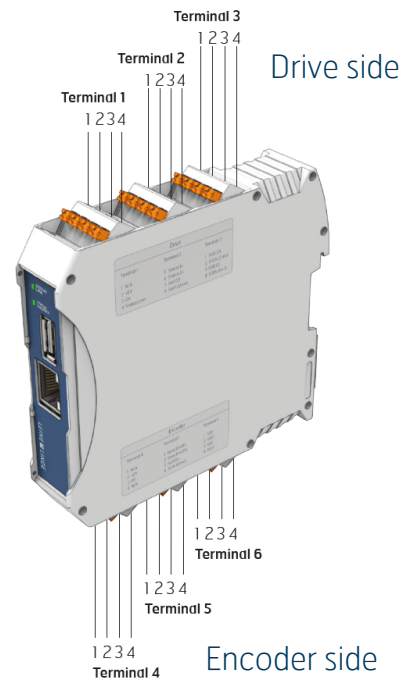
Drive side

Terminal 1	Slot
+EV	2
GND	3
Status cmn	4
Terminal 2	Slot
Status 1	1
Status 2	2
0 (Sref)	3
0 inv (Sref\)	4
Terminal 3	Slot
2 (S00)	1
2 inv (S00\)	2
1 (S90)	3
1 inv (S90\)	4

Encoder side

Terminal 4	Slot
+EV	2
GND	3
Terminal 5	Slot
Data RS485 +	1*
Data RS485 -	2*
0 (Sref)	3
0 inv (Sref\)	4
Terminal 6	Slot
2 (S00)	1
2 inv (S00\)	2
1 (S90)	3
1 inv (S90\)	4

* Optional for encoder



Ordering information

Part number

1253887-01