

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

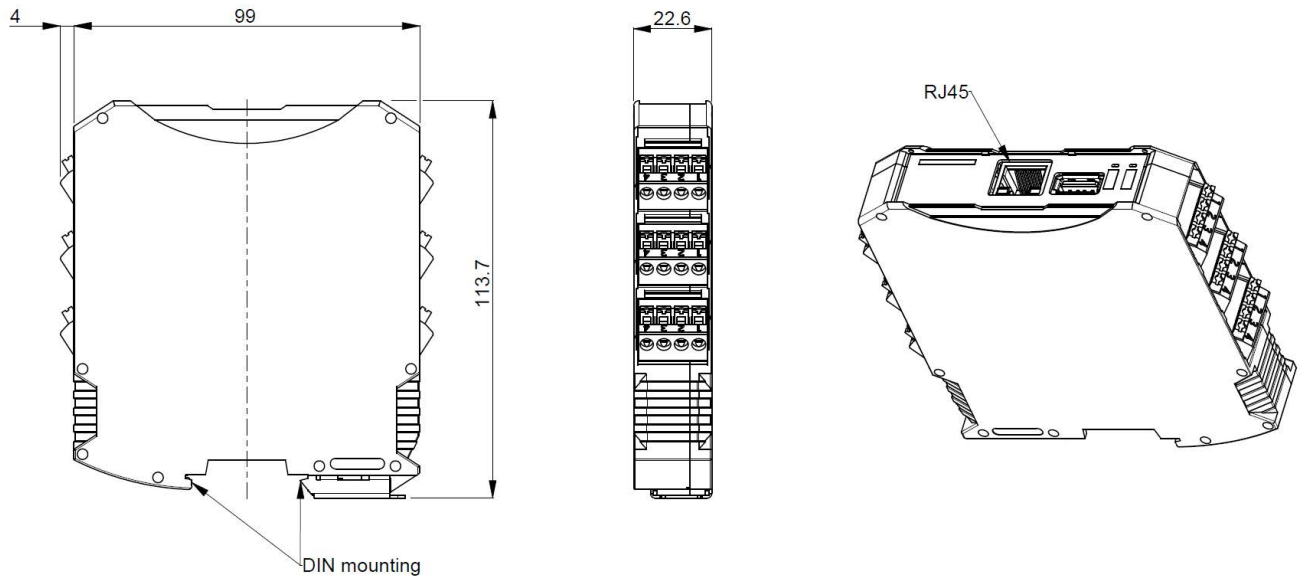
Power supply	9-30 Vdc
Polarity protected	Yes
Current consumption	Typical 100mA at 24 Vdc.
Output interface	OPC-UA
Addressing [IP]	Local discovery [LDS], manually set IP via internal web server
Supported encoders	800-series ADS Uptime
Link to encoder interface	Data over power cable [SIG60] or RS-485 (supported 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

Dimensions



Product description

ADS Link 800 is an accessory product to make diagnostic data from the ADS Uptime 800 series encoder available for monitoring and editing via an OPC-UA server. It features connections to pass on the incremental signal from the encoder to the system drive unit, and is designed to operate with existing encoder cables.

The diagnostic data is communicated between the encoder and the ADS Link by layering data on the power supply cables. This is a viable solution for up to 200 meters using twisted-pair shielded encoder cables. For longer distances, the ADS Link is equipped to receive data over RS-485, an option only available on 800 series encoders with terminal connections.

Please note that installation of adjacent ADS Link units while using data transmission over power cables need to be mounted a minimum distance of 200mm away from each other.

Connection

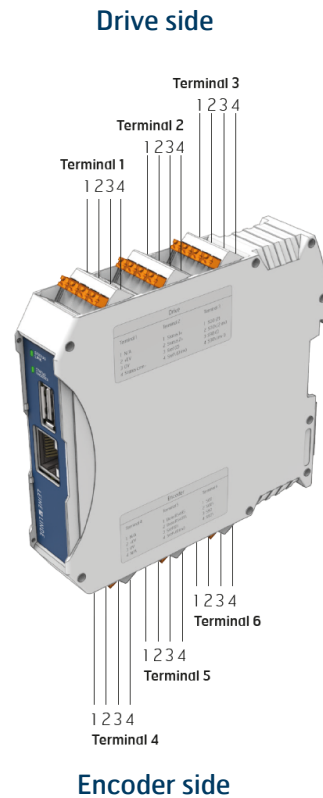
Drive side

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