

# SINEAX B812

## Transmitter Power Supply Unit

# Transmitter Power Supply Unit SINEAX B812

The SINEAX B812 unit supplies all commercially available 2-wire field transmitters. It is one of the smallest products on the market (l: 114 mm, w: 17.5 mm, h: 69.2 mm). Nevertheless, we did not make any compromise in relation to safety. The unit embodies galvanic isolation between all circuits and complies with the whole range of EN 61 010 or IEC 1010 requirements. The intrinsically safe design connects to all field instruments in explosive gas or dust atmospheres (Zones 0, 1, 2 or 20, 21, 22).

## Advantages

- The narrow design facilitates high packing density
- Wide area power packs permit world-wide application
- HART communication for intelligent transmitters without any surcharge
- Monitoring of input circuit and indication of errors

## Function

The B812 unit supplies 2-wire transmitters and provides the 4 – 20 mA signal galvanically isolated at the output. The separation is HART penetrable, i.e. you can parameterize or read out intelligent transmitters via HART or customized protocols. Two power supply versions with wide area power packs ensure the connection to all common power supplies.

## Applications

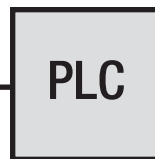
### Temperature measurement



SINEAX VK 616



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### Temperature measurement HART



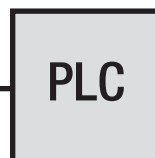
SINEAX VK 626



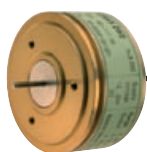
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HHT



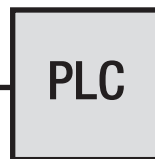
### Angle of rotation measurement



KINAX 2W2, 3W2



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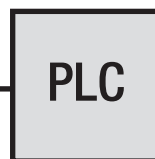
### Position feedback measurement



KINAX SR 719



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## Technical data

### Mechanics

Housing width:	17.5 mm
Flammability class:	UL 94 V0
Ambient temperature:	-20...+55 °C

### Input

Supply voltage at 20 mA:	18 V
No-load voltage:	26 V
Short-circuit current:	25 mA
Signal:	4...20 mA
Short-circuit/breakage monitoring with LED	

### Output

Signal:	4...20 mA
Load:	750 Ω

### Power supply

Low:	20...70 V AC/DC
High:	50...265 V AC/DC
High Ex:	50...125 VDC / 265 VAC

### Explosion protection

Type of protection:	[EEx ia] IIC Ex II (1) GD
Uo:	28 V, Io: 93 mA, Po: 651 mW

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