

EBIS-TF16

Description

The **EBIS-TF16** system of the *EBIS IoT product family* enables the connection and evaluation of inductive sensors. In addition to the standard features of the *EBIS product series*, the **EBIS-TF16** unit has **16 half-bridge or 16 LVDT interfaces**. Furthermore to the sensor data acquisition, the system provides a **trigger input** (e.g. for footswitch) or **4 additional independent ADC-Channels (X3 Option).** Due to the available versions and configuration options, a wide range of different sensors can be used and thus a wide variety of applications can be realized.

Applications

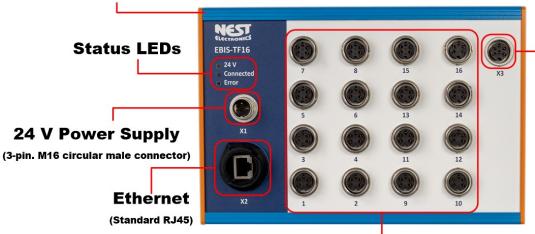
- Automotive industry
- Machine tool industry
- Medical production measurement
- Optical industry



EBIS-TF16

Solid aluminium desktop housing

(optional DIN rail adapter)



X3 Options:

- EBIS-TF16: Trigger-Input for e.g. footswitch
- EBIS-TF16(ADC): 4 independent ADC-Channels

16 x inductive transducer interface (HB or LVDT)

(5-pin. M18 circular female connector)

General Specifications	
Power supply	
Nominal voltage	24V DC
Voltage supply	18V - 30V DC
Connector (X1)	3-pin. M16 male connector
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Ethernet	
IP-Address	192.168.0.17x (configurable)
Connector (X2)	Standard RJ45 connector (optional: IP68)
Housing	
Aluminium desktop housing	optional: DIN rail adapter
Dimensions (mm)	224 x 150 x 60
Communication interfaces	
TCP/IP	EBIS-Protocol
.NET library	
Web interface	Configuration, Firmware update, etc.
Cloud Support	MQTT, Azure, AWS
Safety features	
Status LEDs	Power supply, network status, error
Encryption protocol	TLS

Versions		
Туре	Description	Order number
EBIS-TF16(HB)	- 16 x Interface Half-Bridge	740
	- X3: Trigger-Input for e.g. footswitch	
EBIS-TF16(HB/ADC)	- 16 x Interface Half-Bridge	741
	- X3: 4 independent ADC-Channels	
EBIS-TF16(LVDT)	- 16 x Interface LVDT	742
	- X3: Trigger-Input for e.g. footswitch	
EBIS-TF16(LVDT/ADC)	- 16 x Interface LVDT	743
	- X3: 4 independent ADC-Channels	

Aumber of connectors 16 (no Multiplexing) Connectors (1-16) 5-pin. M18 circular female connector Lensor type Half-Bridge or LVDT Lype Single-Ended or differential Dutput frequency Up to 20 kHz Dutput amplitude Up to 20 Vpp Leatures: internal filters, temperature compensation, programmable output frequency and implitude Imputs ADC (X3 Option) Lumber A (no Multiplexing) Liput voltage Liput impedance 4 (no Multiplexing) Liput impedance Ca. 560 kOhm	EBIS-TF16 Specifications (1)	
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Specification depends on version	Input impedance	Ca. 560 kOhm
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