



**TURCK**

**Industrial  
Automation**

**IMS –  
interfacemodul  
SMALL**

**INTERFACE TECHNOLOGY  
IN 6.2 MM HOUSING**



***Sense it! Connect it! Bus it! Solve it!***

# IMS – *interfacemodul* small – compact Interfacetechnology in 6.2 mm

← 6,2 mm →

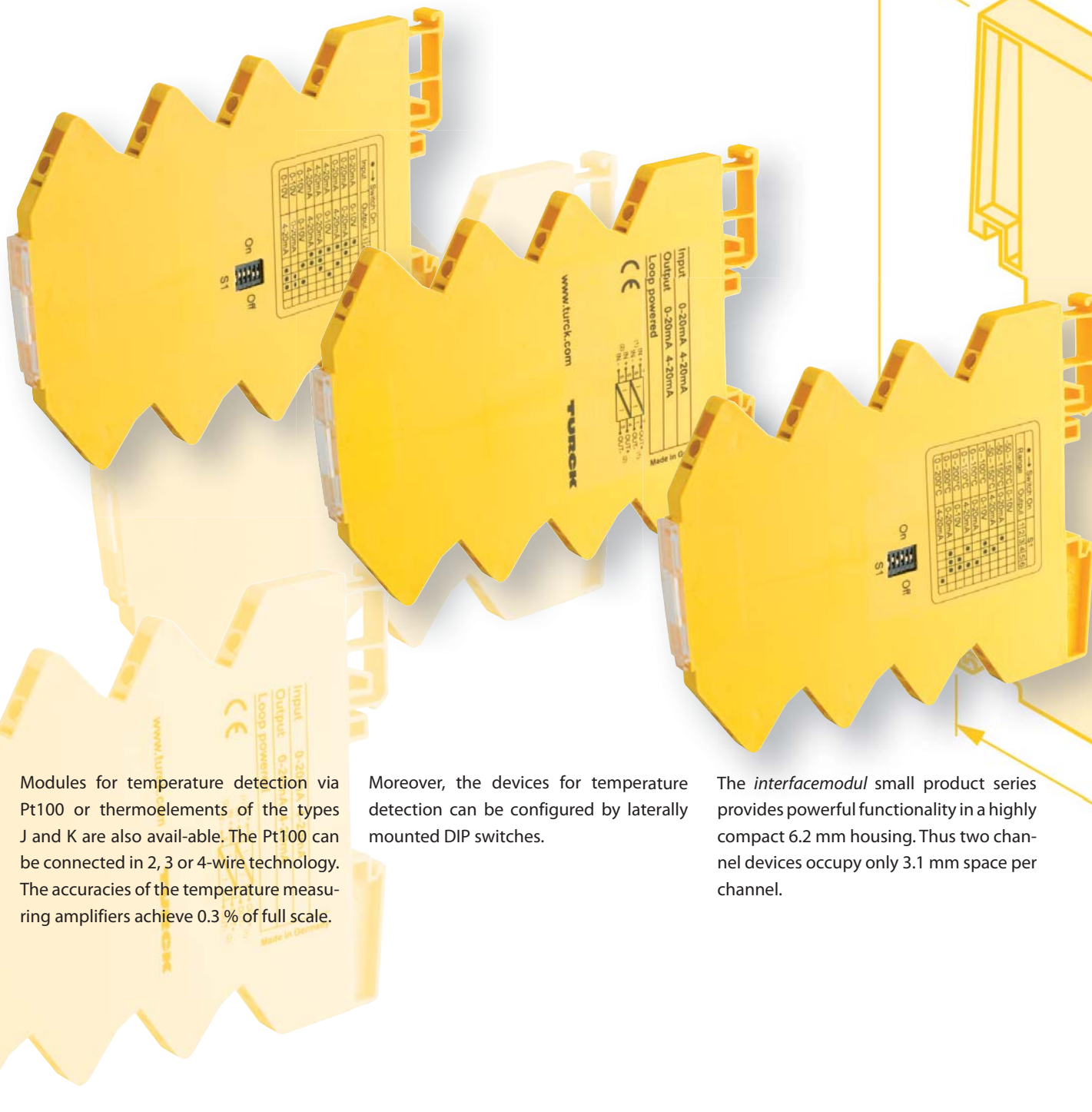
Galvanic isolation, signal adaptation and temperature detection, that's interface technology in a 6.2 mm housing.

The new product series IMS *interfacemodul* small provides one and two channel devices in housings of 6.2 mm width. The input, output and the voltage supply of modules with 24 VDC are galvanically isolated against each other (up to 1.5 kV).

Appart from analogue signal transmitters for simple isolation without signal adaptation, the product series comprises also analogue signal transmitters with signal adaptation of Dead-zero signals to Live-zero signals.

Highly flexible with respect to application are devices which can be adjusted according to different signal levels. The adjustment is implemented with laterally mounted DIP switches.

The IMS analogue signal transmitters achieves 0.1 % accuracy of full scale.



Modules for temperature detection via Pt100 or thermoelements of the types J and K are also available. The Pt100 can be connected in 2, 3 or 4-wire technology. The accuracies of the temperature measuring amplifiers achieve 0.3 % of full scale.

Moreover, the devices for temperature detection can be configured by laterally mounted DIP switches.

The *interfacemodul* small product series provides powerful functionality in a highly compact 6.2 mm housing. Thus two channel devices occupy only 3.1 mm space per channel.

mm Housing

← 6,2 mm →

← 6,2 mm →

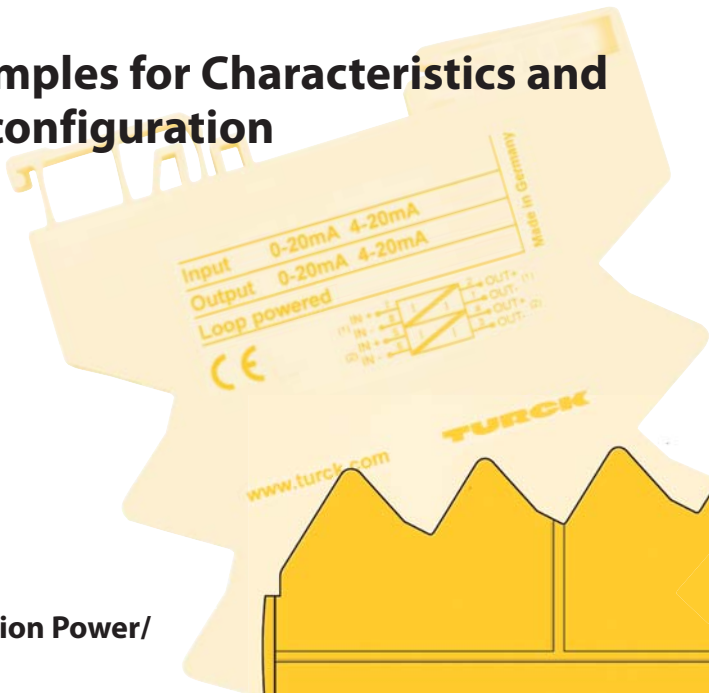
## Type overview

Ident-No.	Type	Input/Output	Input/Output signal	Device function	Supply voltage
7504000	IMS-Ai-DU-DU/24VDC	1 / 1	0...10V / 0...10V	Analogue signaltransmitter	24 VDC
7504001	IMS-Ai-DU-Di/24VDC	1 / 1	0...10V / 0...20 mA	Analogue signaltransmitter	24 VDC
7504002	IMS-Ai-DU-Li/24VDC	1 / 1	0...10V / 4...20 mA	Analogue signaltransmitter	24 VDC
7504003	IMS-Ai-Di-DU/24VDC	1 / 1	0...20 mA / 0...10V	Analogue signaltransmitter	24 VDC
7504004	IMS-Ai-Di-Di/24VDC	1 / 1	0...20 mA / 0...20 mA	Analogue signaltransmitter	24 VDC
7504005	IMS-Ai-Di-Li/24VDC	1 / 1	0...20 mA / 4...20 mA	Analogue signaltransmitter	24 VDC
7504007	IMS-Ai-Li-Di/24VDC	1 / 1	4...20 mA / 0...20 mA	Analogue signaltransmitter/ signal adaption	24 VDC
7504009	IMS-Ai-UNI/24VDC	1 / 1	0...10V, 0...20 mA, 4...20 mA / 0...10V, 0...20 mA, 4...20 mA	Analogue signaltransmitter	24 VDC
7504011	IMS-Ai-DL1-22-DLi/L	2 / 2	0...20 mA, 4...20 mA / 0...20 mA, 4...20 mA	Analogue signaltransmitter	loop-powered
7504012	IMS-Ti-PT100/24VDC	1 / 1	Pt100 / 0...10V, 0...20 mA, 4...20 mA	Temperature measuring amplifier	24 VDC
7504014	IMS-Ti-J/24VDC	1 / 1	Thermoelement J / 0...10V, 0...20 mA, 4...20mA	Temperature measuring amplifier	24 VDC
7504015	IMS-Ti-K/24VDC	1 / 1	Thermoelement K / 0...10V, 0...20 mA, 4...20mA	Temperature measuring amplifier	24 VDC
on request	IMS-DI-22-PNO	2 / 2	2 x NAMUR	Switching amplifier	24 VDC

115

6,2

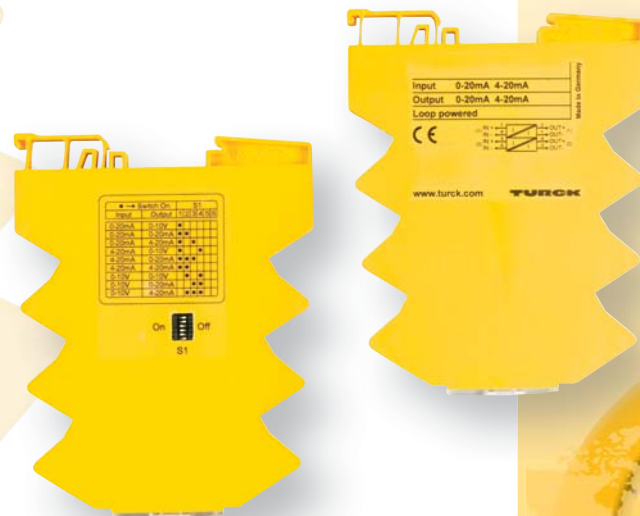
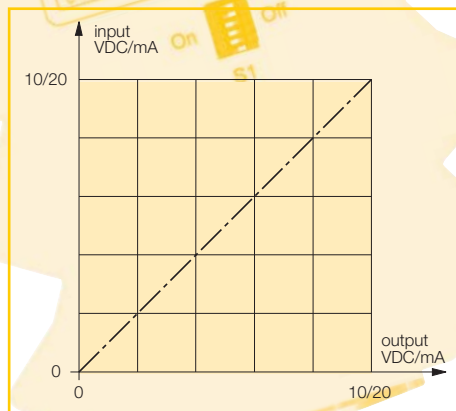
### IMS – Examples for Characteristics and terminal configuration



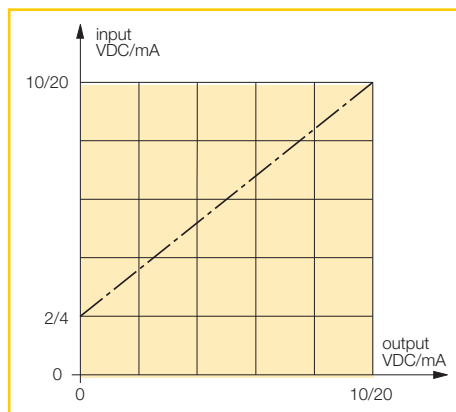
#### Galvanic isolation Power/ input/output



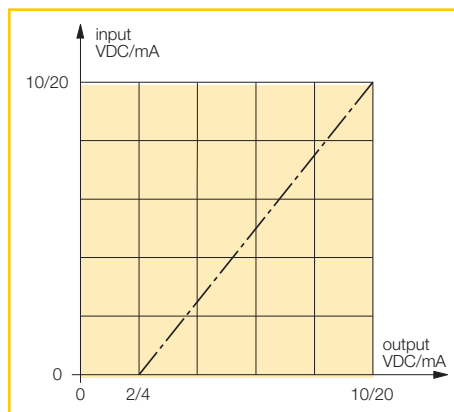
#### Without signal adaptation



#### Live-zero to Dead-zero



#### Dead-zero to Live-zero



[www.turck.com](http://www.turck.com)



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