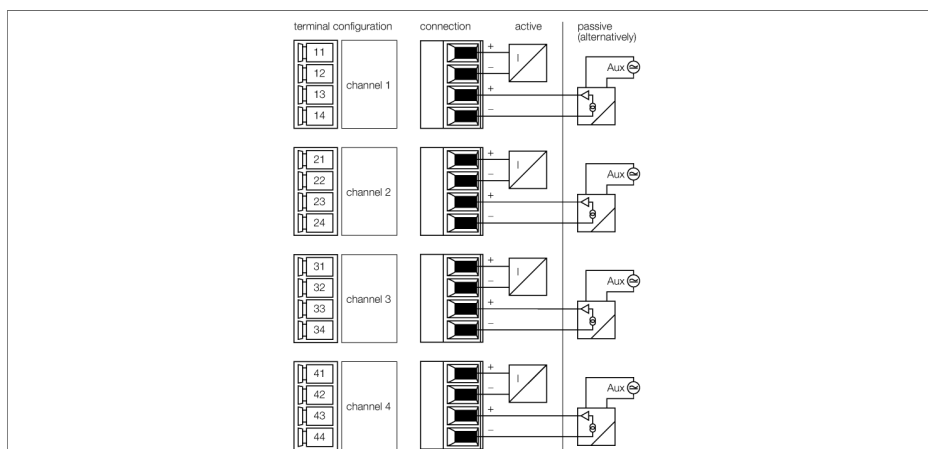




The input module AI40-N is used for the connection of 2-wire transducers (active input = source mode / transducer passive) or 4-wire transducers (passive input = sink mode / transducer active).

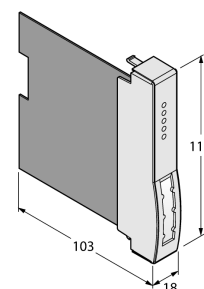
The field circuits are galvanically separated from each other.

HART® compatible transducers can be connected to the module. The field device can thus be parametrized with a licensed modem, directly at the terminals on the DIN rail. An additional impedance in the circuit is not necessary.

The measuring range is digitized in the scope of 0...21 mA. For clear reading, the digitized value is spread to 0 ... 21000 (independent of the parametrized measuring range) and transmitted to the host system.

- Input module for the connection of passive transmitters (active inputs) or active transmitters (passive inputs).
- Complete galvanic separation

Dimensions



Type code	AI40-N
Ident no.	6884215
Supply voltage	via the backplanes, central power supply
Power consumption	≤ 2.2 W
Galvanic separation	Complete galvanic separation
Number of channels	4-channel
Input circuits	0/4...20 mA
Supply voltage	15 VDC at 20 mA
Overload capability	> 21 mA
Low level control	< 3.6 mA
Short circuit	> 24 mA (only with live zero)
Wire-break	< 2 mA (only with live zero)
Resolution	14 Bit
max. Messabweichung	≤ max. Messabweichung %
	0.1
Linearitätsabweichung	≤ 0.05% of full scale vom Endwert
Temperature drift	≤ 0.005 % / K
Rise time/fall time	≤ 50 ms (10 ... 90 %)
Max. output current I_o	≤ 2.5 mA
Max. output power P _o	≤ 4 mW
Indication	
Operational readiness	1 x green / red
State/ Fault	4 x red
Housing material	Plastic
Connection mode	module, plugged on rack
Protection class	IP20
Ambient temperature	-20...+70 °C
Relative humidity	≤ 95% at 55 °C acc. to EN 60068-2
Vibration test	acc. to IEC 60068-2-6
Shock test	acc. to IEC 60068-2-27
EMC	acc. to EN 61326-1 (2006) acc. to Namur NE21 (2007)
MTTF	77 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	18x 118x 103 mm
Weight	80 g