

The output module AO40-N is used for connection of intrinsically safe analog actuators such as control valves or process indicators.

The outputs are galvanically separated from each other.

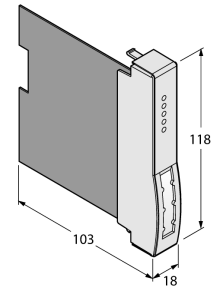
HART® compatible transducers can be connected to the module. The field device can thus be parametrized with a licensed modem, directly at the terminals on the DIN rail. An additional impedance in the circuit is not necessary.

The host system transmits a digitized control value 0...21000 (independent of the parametrized measuring range). This raw value is then transformed by the AO40--N into a value between 0...21 mA.



- Output module for the connection of analog actuators
- Complete galvanic separation

**Dimensions**



<b>Type code</b>	AO40-N	
Ident no.	6884218	
<b>Supply voltage</b>	via the backplanes, central power supply	
Power consumption	≤ 2.2 W	
Galvanic separation	Complete galvanic separation	
Number of channels	4-channel	
<b>Output circuits</b>	0/4...20 mA	
No-load voltage	16 VDC	
External load	≤ 640 Ω	
Short circuit	< 50 mA (only with live zero)	
Wire-break	< 2 mA (only with live zero)	
<b>Resolution</b>	13 Bit	
max. Messabweichung	≤ max. Messabwe-	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 %)	
<b>Indication</b>		
Operational readiness	1 x green / red	
State/ Fault	4 x red	
<b>Housing material</b>	Plastic	
Connection mode	module, plugged on rack	
<b>Protection class</b>	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	78 years acc. to SN 29500 (Ed. 99) 40 °C	
Dimensions	18x 118x 103 mm	
Weight	80 g	