


The analog input module processes standard 0–20 mA, 4–20 mA and 3.6–21 mA signals (Namur NE43).
 The bus module provides a 24 V power supply, providing a direct connection to 2-wire sensors.
 The input signal is electrically isolated and transmitted with a resolution of 12 bits.
 Wire break, short circuit and out-of-measurement range are indicated by a red LED.
 Unused channels can be deactivated.
 The module can be configured via WAGO-I/O-CHECK or GSD files.
 It features an extremely compact design and low measurement errors.

Description	Item No.	Pack. Unit
8AI 0/4-20mA	750-496	
Accessories		
Miniature WSB Quick marking system		
 plain	248-501	50
with marking	see Full Line Catalog Automation Technology	
Operating tool, with partially insulated shaft, type 1, blade (2.5 x 0.4) mm	210-719	50
Approvals		
Conformity marking	CE	
Marine applications	DNV GL	

Technical Data	
Number of inputs	8
Power supply	via system voltage DC/DC
Current consumption typ. (internal)	69 mA
Signal current	0 mA ... 20 mA, 4 mA ... 20 mA, 3.6 mA ... 21 mA
Input voltage (max.)	31.2V
Input resistance	≤ 220Ω
Resolution	12 bits
Conversion time	per bus module: ≤ 10 ms
Measuring error (25 °C)	< ± 0.1 % of the largest measurement range
Temperature coefficient	< ± 0.01 % / K of the largest measurement range
Bit width	8 x 16 bits data; 8 x 8 bits control/status (optional)
Wire connection	Push-in CAGE CLAMP®
Cross sections	solid: 0.08 mm² ... 1.5 mm² / AWG 28 ... 16 fine-stranded: 0.25 mm² ... 1.5 mm² / AWG 22 ... 16
Strip lengths	8 ... 9 mm / 0.33 in
Width	12 mm
EMC immunity of interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-3