2-channel analog input; 0 … 20 mA; Differential input

Item No.: 750-452



2-channel analog input; 0 … 20 mA; Differential input

Marking

RoHS ✓
Compliant

Business data

Supplier	*WAGO*
Item no.	*750-452*
GTIN / EAN	*4045454484040*
Content	*1*
Order amount	*1*
Customer item number	

Notes

Item description:The analog input module processes signals of a standard magnitude 0–20mA.The input signal is electrically isolated and is transmitted with a resolution of 12 bits.The internal system supply is used for the power supply of the module.The input channels are differential inputs.The shield (screen) is directly connected to the DIN rail.

Technical data

Miscellaneous

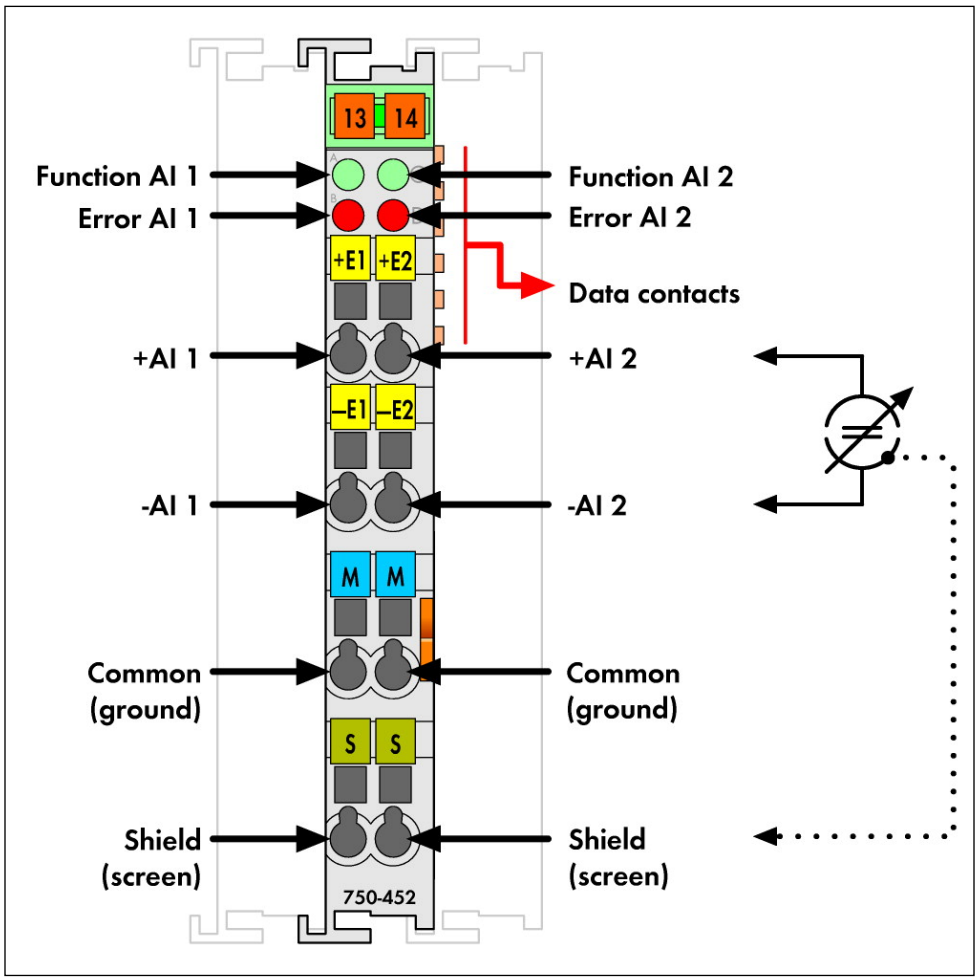
Packaging type	*BOX*
Number of analog inputs	*2*
Total number of channels (module)	*2*

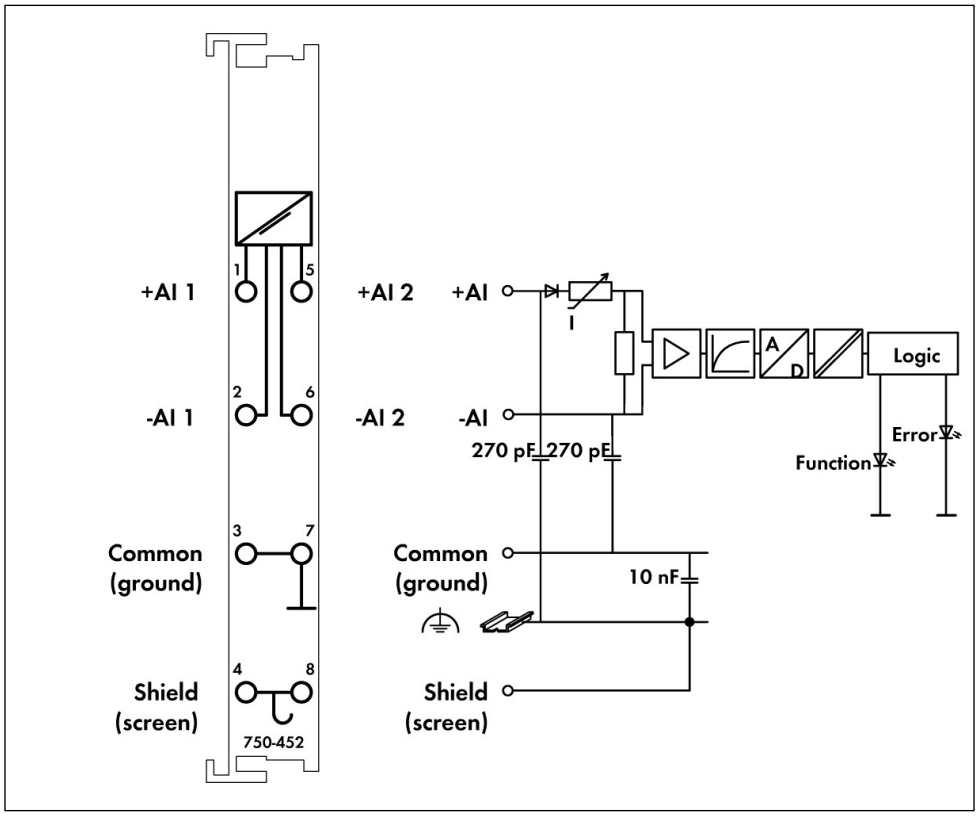
Technical data	
Type of signal	*0 … 20 mA*
Signal characteristic	*Differential*
Sensor connection	*2 x (2-conductor)*
Common mode voltage (max.) [V]	*35 [V]*
Resolution [bit] [Bit]	*12 [Bit]*
Conversion time (typ.) [ms]	*2 [ms]*
Measuring error (25 °C)	*< ± 0.2 % of the full scale value*
Temperature coefficient	*< ± 0.01 % / K of the full scale value*
Bit width	*2 x 16-bit data; 2 x 8-bit control/status (optional)*
System supply voltage	*DC 5 V; via data contacts*
Current consumption, system supply [mA]	*70 [mA]*
Isolation	*500 V system/supply*
Number of connections: Inputs/outputs	*8*
Connection technology: inputs/outputs	*CAGE CLAMP®*
Connection type (1)	*Ein-/Ausgänge*
Solid conductor	*0.08 … 2.5 mm² / 28 … 14 AWG*
Fine-stranded conductor	*0.08 … 2.5 mm² / 28 … 14 AWG*
Strip length	*8 … 9 mm / 0.31 … 0.35 Inch*
Width	*12 mm / 0.472 Inch*
Height	*69.8 mm / 2.748 Inch*
Height from upper-edge of DIN-35 rail	*62.6 mm / 2.465 Inch*
Depth	*100 mm / 3.937 Inch*
Type of mounting	*Carrier rail 35 x 15*
Color	*light gray*
Weight [g]	*50.5 [g]*
Conformity marking	*CE*
Ambient temperature (operation)	*0 … 55 °C*
Ambient temperature (storage)	*-25 … 85 °C*
Degree of protection	*IP20*
Relative air humidity (no condensation) [%]	*95 [%]*
Vibration resistance	*acc. to IEC 60068-2-6*
Shock resistance	*acc. to IEC 60068-2-27*
EMC immunity to interference	*acc. to EN 61000-6-2, marine applications*
EMC emission of interference	*acc. to EN 61000-6-4, marine applications*
Zulässige Schadstoffkonzentration H2S bei einer r	*10 [ppm]*

Technical data	
Zulässige Schadstoffkonzentration SO2 bei einer r	*25 [ppm]*

Images & drawings




13
14
Function AI 1
Error AI 1
+E1
+E2
Data contacts
+AI 1
–E1
–E2
-AI 1
M
M
Common
(ground)
S
S
Shield
(screen)
750-452
Function AI 2
Error AI 2
+AI 2
-AI 2
Common
(ground)
Shield
(screen)



Address

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Telefon: 0571/887-0
Fax: 0571/887-169
http://www.wago.com
© WAGO Kontakttechnik GmbH & Co. KG
Technische Änderungen und Irrtümer vorbehalten.