WAGO online catalog / eShop

2-channel analog input module; 4-20 mA; Differential inputs

Item No.: 750-454

2-channel analog input module; 4-20 mA; Differential inputs

Marking

RoHS ✓
Compliant

Business data

Supplier	*WAGO*
Item no.	*750-454*
EAN	*4045454483098*
Content	*1*
Order amount	*1*
Customer item number	

Notes

The analog input module processes signals of a standard magnitude 4–20mA.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

Color	*light gray*
Conformity marking	*CE*
Number of inputs	*2*
Power supply	*via system voltage DC/DC*
Isolation	*500 V system/supply*
Current consumption typ. (internal) [mA]	*70 [mA]*
Common mode voltage (max.)	*35 V DC*
Signal current	*4 - 20mA*

Technical data	
Input resistance	*< 220 / 20mA*
Resolution	*12 bits*
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 bits data 2 x 8 bits control/status (optional)*
Degree of protection	*IP20*
Connection technology (1)	*CAGE CLAMP®*
Cross section from (1) [mm²]	*0.08 [mm²]*
Cross section up to (1) [mm²]	*2.5 [mm²]*
Cross section from (1) [AWG]	*28 [AWG]*
Cross section up to (1) [AWG]	*14 [AWG]*
Stripped length from (1) [mm]	*8 [mm]*
Stripped length up to (1) [mm]	*9 [mm]*
Stripped length (1) [in]	*0.33 [in]*
Weight [g]	*52.5 [g]*
Width [mm]	*12 [mm]*
Width [in]	*0.472 [in]*
Height [mm]	*64 [mm]*
Height [in]	*2.52 [in]*
Length [mm]	*100 [mm]*
Length [in]	*3.937 [in]*
Storage temperature	*-25 °C ... +85 °C*
Relative air humidity (no condensation) [%]	*95 [%]*
Type of mounting	*DIN 35 rail*
Operating temperature	*0°C ... +55°C*
EMC: marine applications - emission of interference	*acc. to Germanischer Lloyd (2003)*
EMC: marine applications - immunity to interference	*acc. to Germanischer Lloyd (2003)*
EMC: CE - emission of interference	*acc. to EN 61000-6-4 (2007)*
EMC: CE - immunity to interference	*acc. to EN 61000-6-2 (2005)*
Shock resistance	*acc. to IEC 60068-2-27*
Vibration resistance	*acc. to IEC 60068-2-6*

Approbation

Item No.	Registration	Registration no.	Voltage [V]	Current [A]	Cross section [mm², AWG]
750-454	*ABS*	*03-HG374860/3-PDA*			
750-454	*ABS*	*10-HN1775034-X*			
750-454	*BSH*	*Bescheinigung Nr. 467*			
750-454	*BV*	*13453/C0 BV*			
750-454	*DNV*	*A-12306*			
750-454	*GL*	*26 898 - 05 HH*			
750-454	*IECEx*	*IECEx PTB 07.0067/01*			
750-454	*KR*	*HMB05880-AC003*			
750-454	*LR*	*02/20026 (E4)*			
750-454	*NK*	*TA12716M*			
750-454	*Rina*	*ELE134212XG*			
750-454	*UL*	*E175199 Sec.1*			
750-454	*UL*	*08 ATEX 142851 X*			
750-454	*UL*	*E198726 Sec.1*			

Accessories

Accessories

Carrier rail

Item no.	Description	Pack. unit (Sub Pack)
210-112	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to en 60715; "Hole width 25 mm	1
210-113	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to en 60715	1
210-114	Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; according to en 60715	1
210-115	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to en 60715; "Hole width 18 mm	1
210-118	Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to en 60715	1
210-196	Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; according to en 60715	1
210-197	Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; according to en 60715	1
210-198	Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to en 60715	1
210-504	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715	1
210-505	Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715	1
210-506	Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; ähnlich EN 60715	1
210-508	Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; ähnlich EN 60715	1

Accessories

Marking accessories

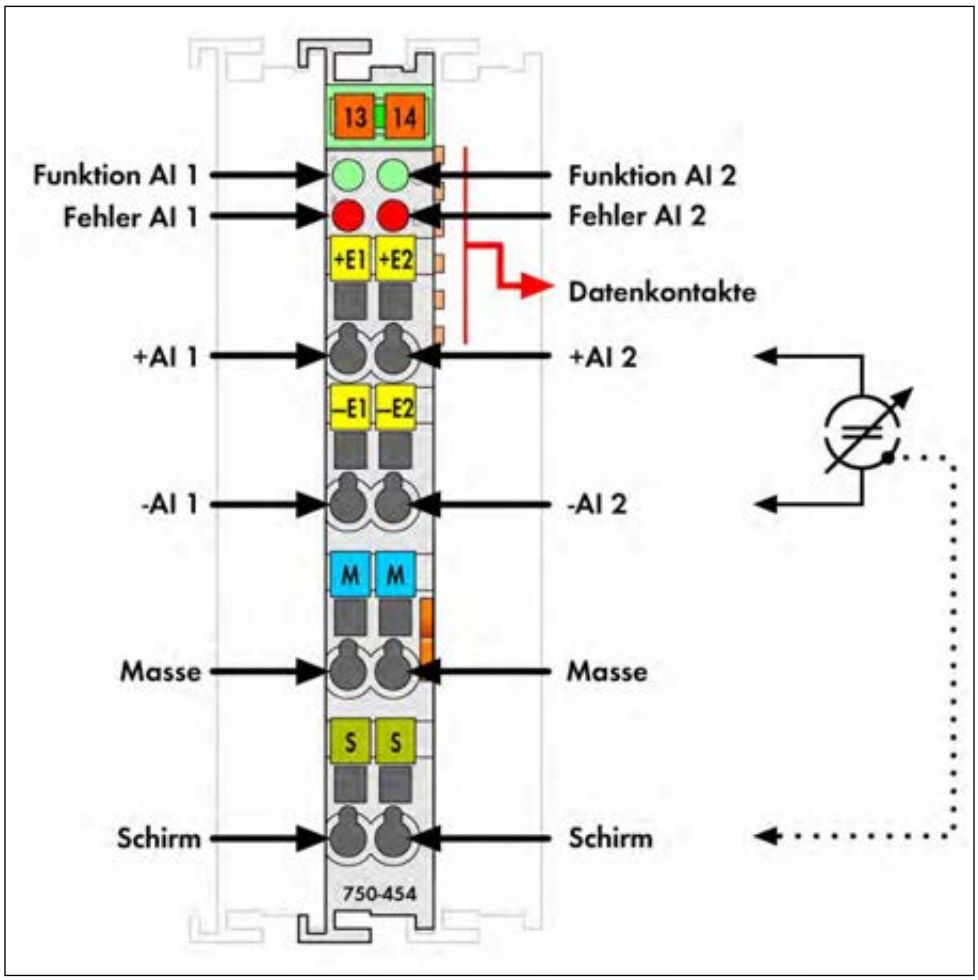
Item no.	Description	Pack. unit (Sub Pack)
2009-145	Mini-WSB Inline; plain; 1,700 Mini-WSB markers (5 mm) on roll; stretchable 5 - 5.2 mm	1
248-501	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-002	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-005	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-006	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-007	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-012	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-017	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-023	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
248-501/000-024	Miniature WSB quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	5
750-100	Markers for group marker carrier; DIN A4 sheet (160 markers)	1
750-103	750/753 Series marker carrier	50

Accessories

General accessory

Item no.	Description	Pack. unit (Sub Pack)
210-719	Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm; suitable for 279, 726, 727, 2000, 2001 and 2020 series	1
210-720	Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm; suitable for 260, 261, 262, 264, 270, 280, 281, 290, 775, 776, 777, 769, 780, 781, 869, 870, 880, 2002, 2003, 2004, 2005 and 2022 Series	1
288-812	Power supply unit; with universal mounting carrier; AC 230 V / DC 24 V,; Output voltage indication	1
288-813	Power supply unit; with universal mounting carrier; AC 115 V / DC 24 V,; Output voltage indication	1
790-108	Shield clamping saddle; 11 mm wide; diameter of compatible conductor; up to 8 mm	10
790-116	Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 mm to 16 mm	10
790-124	Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 mm to 24 mm	10
790-140	Shield clamping saddle; 43 mm wide; diameter of compatible conductor; 22 mm to 40 mm	10

Images & drawings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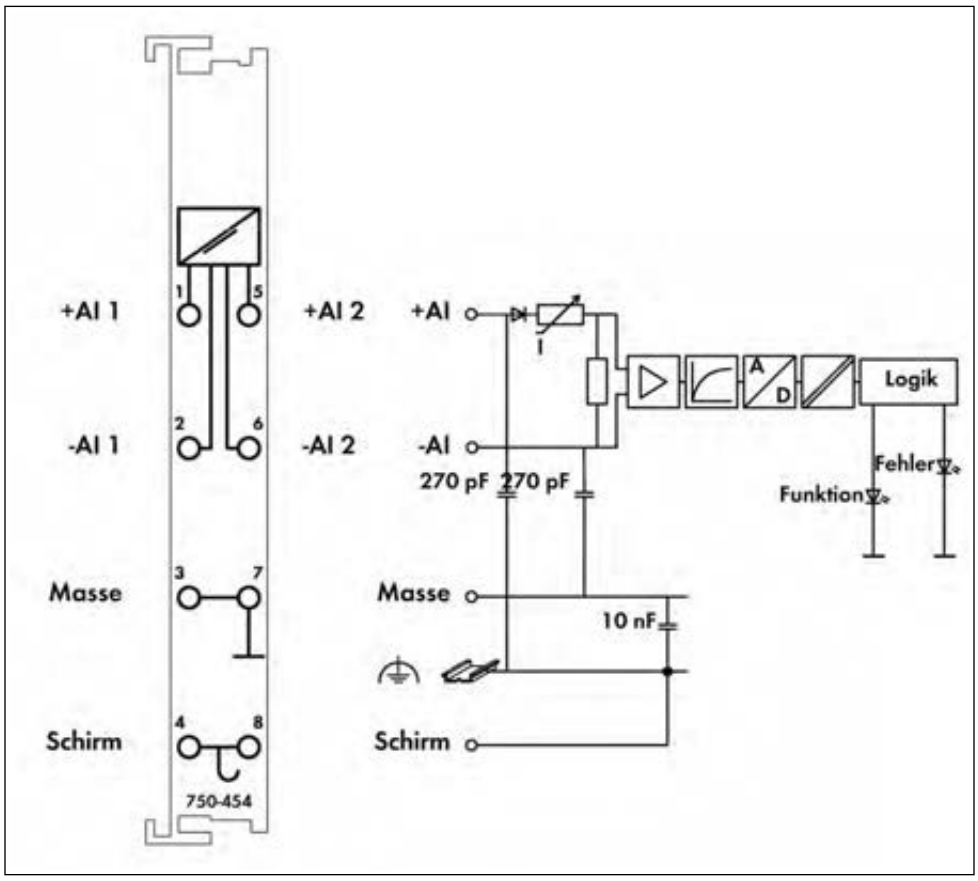

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