

## Analog Input; 0 ... 20 mA; Differential Input

5.4



Figure: 750-452

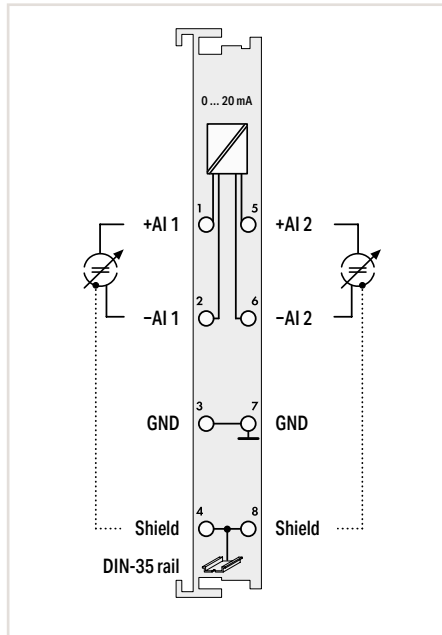
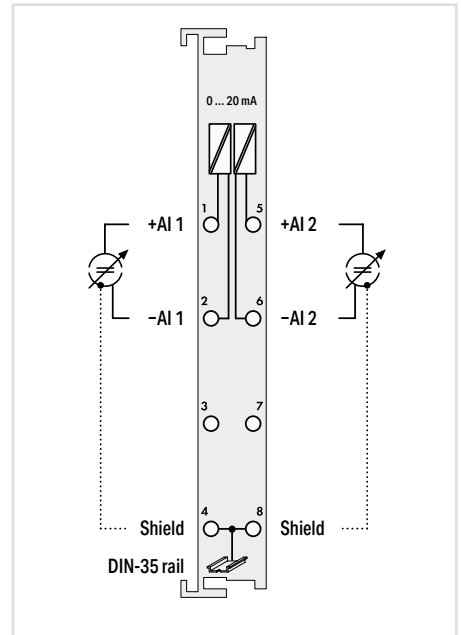


Figure: 750-480



Item Description	2-Channel Analog Input; 0 ... 20 mA; Differential input			2-Channel Analog Input; 0 ... 20 mA; Differential input	
Version	Standard	Data format (S5 control)	Pluggable (delivery without connector)	Standard	Pluggable (delivery without connector)
Item No.	750-452	750-452/000-200	753-452	750-480	753-480
Order Text	2AI; 0-20mA; Diff	2AI; 0-20mA; Diff; S5	2AI; 0-20mA; Diff	2AI; 0-20mA; Diff	2AI; 0-20mA; Diff
<b>Technical Data</b>					
Extended functionality				Time-synchronized measured value acquisition within the module	
Pluggable connector				•	
Customized data format for S5 control*	•			•	
Number of analog inputs	2			2	
Signal type	0 ... 20 mA			0 ... 20 mA	
Signal characteristic	Differential			Differential	
Resolution	12 bits			13 bits	
Conversion time	2 ms			1 ms	
Input resistance	< 220 Ω / 20 mA			< 270 Ω / 20 mA	
Input filter (analog)				5 kHz	
Measuring error (max.) at 25 °C	±0.2 % of the upper-range value			±0.05 % of the upper-range value	
Temperature error (max.)	±0.01 % of the upper-range value			±0.01 % of the upper-range value	
Current consumption – system supply (5 V)	70 mA			80 mA	
Data width	2 x 16-bit data; 2 x 8-bit control/status (optional)			2 x 16-bit data; 2 x 8-bit control/status (optional)	
Isolation	500 V (system/field)			500 V (system/field or channel/channel)	
Surrounding air temperature (operation)	0 ... +55 °C			0 ... +55 °C	
Dimensions W x H x D	12 x 69.8 x 100 mm			12 x 69.8 x 100 mm	
Approvals	CE;  Marine;  OrdLoc/HazLoc;  ATEX/IECEX			CE;  OrdLoc/HazLoc;  ATEX/IECEX	
Data sheet and further information, see:	<a href="http://wago.com/750-452">wago.com/750-452</a>		<a href="http://wago.com/753-452">wago.com/753-452</a>	<a href="http://wago.com/750-480">wago.com/750-480</a>	<a href="http://wago.com/753-480">wago.com/753-480</a>
Accessories					
Pluggable connector				Item No. 753-110	
Coding keys				Item No. 753-150	

\*The S5 format allows you to import data with the standard S5 FB 250 function block.