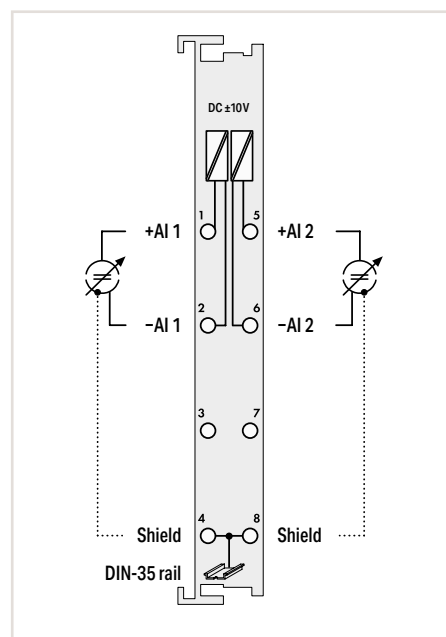
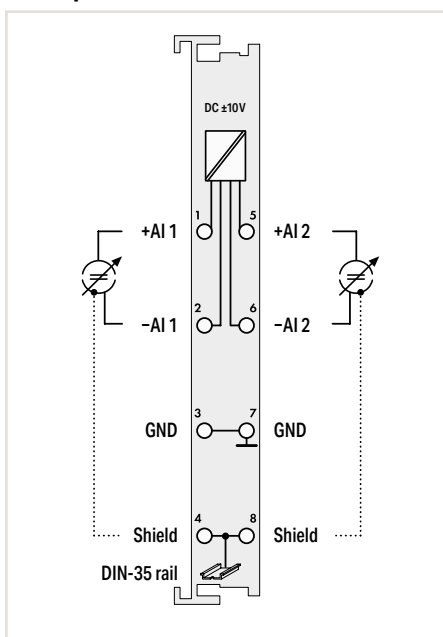


## Analog Input; $\pm 10$ VDC; Differential Input



Figure: 750-456

Figure: 750-479



5.4

Item Description		2-Channel Analog Input; $\pm 10$ VDC; Differential input			2-Channel Analog Input; $\pm 10$ VDC; Differential input		
Version		Standard	Data format (S5 control)	Pluggable (delivery without connector)	Standard	Synchronous	Pluggable (delivery without connector)
Item No.		750-456	750-456/000-200	753-456	750-479	750-479/000-001	753-479
Order Text		2AI; $\pm 10$ VDC; Diff	2AI; $\pm 10$ VDC; Diff; S5	2AI; $\pm 10$ VDC; Diff	2AI; $\pm 10$ VDC; Diff	2AI; $\pm 10$ VDC; Diff; Sync	2AI; $\pm 10$ VDC; Diff
Technical Data							
Extended functionality					Time-synchronized measured value acquisition within the module	Time-synchronized measured value acquisition within the module	Time-synchronized measured value acquisition within the module
Pluggable connector							
Customized data format for S5 control*							
Number of analog inputs		2			2		
Signal type		$\pm 10$ V			$\pm 10$ V		
Signal characteristic		Differential			Differential		
Resolution		12 bits			13 bits + sign		
Conversion time		2 ms			1 ms		
Internal resistance		570 k $\Omega$			1 M $\Omega$		
Input filter (analog)					5 kHz		
Admissible continuous overload					60 V		
Measuring error (max.) at 25 °C		$\pm 0.2$ % of the upper-range value			$\pm 0.05$ % of the upper-range value		
Temperature error (max.)		$\pm 0.015$ %/K of the upper-range value			$\pm 0.01$ % of the upper-range value		
Current consumption – system supply (5 V)		80 mA			100 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; Marine; OrdLoc/HazLoc; ATEX/IECEx		
Data sheet and further information, see:		wago.com/750-456			wago.com/750-479		
Accessories		Item No.			Item No.		
Pluggable connector		753-110			753-110		
Coding keys		753-150			753-150		