

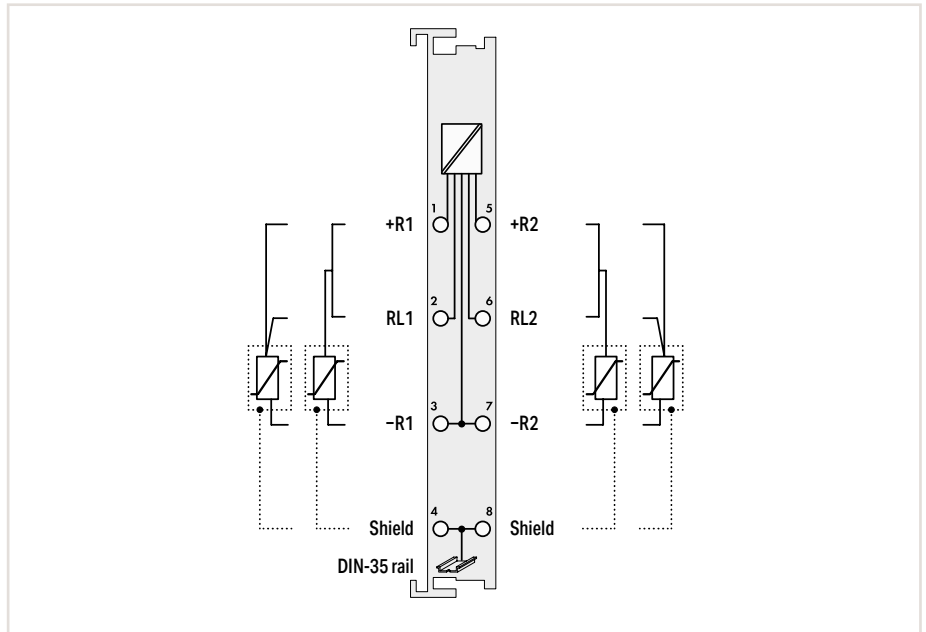
## Analog Input; for Resistance Sensors

5.4



Figure: 750-461

Figure: 753-461



Item Description		2-Channel Analog Input; for Pt100/RTD resistance sensors					
Version		Standard	Pluggable (delivery with-out connector)	Adjustable	Pluggable (delivery with-out connector); Adjustable	Extended temperature	Data format (S5 control)
Item No.		750-461	753-461	750-461/003-000	753-461/003-000	750-461/025-000	750-461/000-200
Order Text		2AI; Pt100/RTD	2AI; Pt100/RTD	2AI; Pt100/RTD; Adjust	2AI; Pt100/RTD; Adjust	2AI; Pt100/RTD; T	2AI; Pt100/RTD; S5
Technical Data							
Pluggable connector			•			•	
Customized data format for S5 control*							•
Number of analog inputs		2					
Signal type		Pt100	Pt100 Configurable: Pt; Ni; Ohm			Pt100	
Sensor connection		2-wire; 3-wire					
Temperature range		-200 ... +850 °C					
Resolution		0.1 °C					
Conversion time		320 ms (per channel)					
Measured current (typ.)		0.5 mA					
Measuring error (max.) at 25 °C		±0.2 % of the upper-range value					
Temperature error (max.)		±0.01 % of the upper-range value					
Current consumption – system supply (5 V)		80 mA					
Data width		2 x 16-bit data; 2 x 8-bit control/status (optional)					
Isolation		500 V (system/field)					
Surrounding air temperature (operation)		0 ... +55 °C			-20 ... +60 °C		0 ... +55 °C
Dimensions W x H x D		12 x 69.8 x 100 mm					
Approvals		CE; Marine; OrdLoc/HazLoc; ATEX/IECEx					
Data sheet and further information, see:		<a href="http://wago.com/750-461">wago.com/750-461</a>	<a href="http://wago.com/753-461">wago.com/753-461</a>	<a href="http://wago.com/750-461">wago.com/750-461</a>	<a href="http://wago.com/753-461">wago.com/753-461</a>	<a href="http://wago.com/750-461">wago.com/750-461</a>	
Accessories		Item No.		Item No.			
Pluggable connector		753-110		753-110			
Coding keys		753-150		753-150			

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