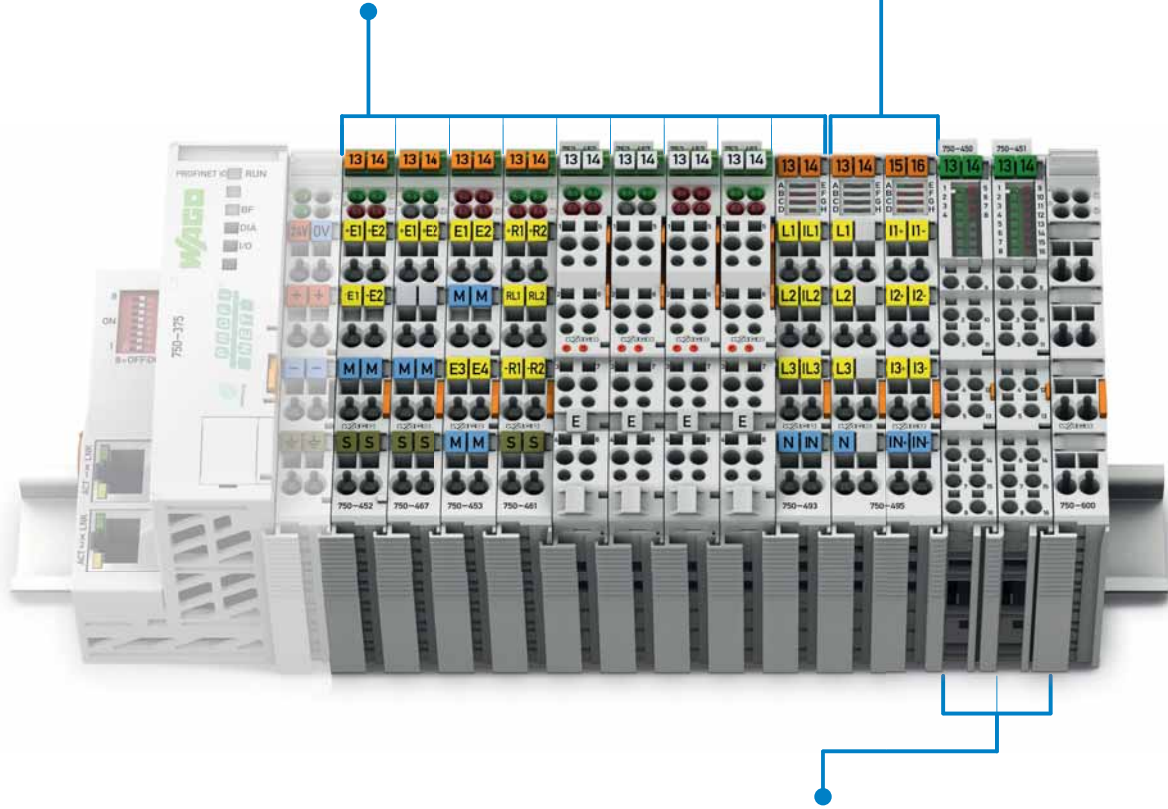


Analog Input Modules



Housing Design 750/753 Series	
Dimensions (mm) W x H x L	12 x 65 x 100 (Height from upper edge of the DIN-rail)
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm ² ... 2.5 mm ² / 28 ... 14 AWG
Strip lengths	750 Series: 8 ... 9 mm / 0.33 in. 753 Series: 9 ... 10 mm / 0.37 in.

Housing Design Double Width	
Dimensions (mm) W x H x L	24 x 65 x 100 (Height from upper edge of the DIN-rail)



Housing Design 750 Series with CAGE CLAMP® S Connection (16 Connection Terminals)	
Wire connection	CAGE CLAMP® S
Cross sections	solid: 0.08 mm ² ... 2.5 mm ² / 28 ... 16 AWG fine-stranded: 0.25 mm ² ... 1.5 mm ² / 22 ... 16 AWG
Strip lengths	8 ... 9 mm / 0.33 in.



Modular I/O-System Overview

Analog Input Modules

Function	1-Channel AI	2-Channel AI	4-Channel AI	8-Channel AI	Description	Item No.			Page	
						Standard	/S5 or /S7 Data format	/T Extended operating temperature range: -20 °C ... +60 °C		Pluggable
0 – 20 mA		<input checked="" type="checkbox"/>			Differential inputs	750-452	750-452/000-200		753-452	252
		<input checked="" type="checkbox"/>			Single-ended	750-465	750-465/000-200	750-465/025-000	753-465	253
		<input checked="" type="checkbox"/>			Single-ended, short-circuit protec. Single-ended, short-circuit protec., 60 Hz	750-470 750-470/005-000				254
		<input checked="" type="checkbox"/>			Single-ended, 16 bits	750-472	750-472/000-200		753-472	255
		<input checked="" type="checkbox"/>			Single-ended, 16 bits, 60 Hz	750-472/005-000				255
		<input checked="" type="checkbox"/>			Differential measurement inputs	750-480			753-480	256
		<input checked="" type="checkbox"/>			Differential measurement inputs, synchronous	750-480/000-001				256
				<input checked="" type="checkbox"/>	Single-ended	750-453			753-453	259
4 – 20 mA		<input checked="" type="checkbox"/>			Differential inputs	750-454	750-454/000-200	750-454/025-000	753-454	252
		<input checked="" type="checkbox"/>			Single-ended	750-466	750-466/000-200	750-466/025-000	753-466	253
		<input checked="" type="checkbox"/>			Single-ended, short-circuit protec. Single-ended, short-circuit protec., 60 Hz	750-473 750-473/005-000				254
		<input checked="" type="checkbox"/>			Single-ended, 16 bits	750-474	750-474/000-200		753-474	255
		<input checked="" type="checkbox"/>			Single-ended, 16 bits, 60 Hz	750-474/005-000				255
		<input checked="" type="checkbox"/>			Differential measurement inputs	750-492			753-492	257
		<input checked="" type="checkbox"/>			Single-ended, 16 bits, HART	750-482	750-482/000-300	750-482/025-000	753-482	258
				<input checked="" type="checkbox"/>	Single-ended	750-455		750-455/025-000	753-455	259
0 – 1 A	<input checked="" type="checkbox"/>				Differential inputs	750-475			753-475	260
0 – 5 A	<input checked="" type="checkbox"/>				Differential inputs	750-475/020-000				260
± 10 V	<input checked="" type="checkbox"/>				Differential inputs	750-456	750-456/000-200		753-456	261
	<input checked="" type="checkbox"/>				Differential measurement inputs	750-479			753-479	262
	<input checked="" type="checkbox"/>				Differential measurement inputs, synchronous	750-479/000-001				262
	<input checked="" type="checkbox"/>				Single-ended, 16 bits	750-476	750-476/000-200		753-476	263
	<input checked="" type="checkbox"/>				Single-ended, 16 bits, 60 Hz	750-476/005-000				263
				<input checked="" type="checkbox"/>	Single-ended	750-457		750-457/025-000	753-457	267
0 – 10 V	<input checked="" type="checkbox"/>				Differential inputs	750-477			753-477	264
	<input checked="" type="checkbox"/>				Single-ended	750-467	750-467/000-200		753-467	265
	<input checked="" type="checkbox"/>				Single-ended, 16 bits	750-478			753-478	263
	<input checked="" type="checkbox"/>				Single-ended, 16 bits, 60 Hz	750-478/005-000				263
				<input checked="" type="checkbox"/>	Single-ended	750-468	750-468/000-200	750-468/025-000		266
				<input checked="" type="checkbox"/>	Single-ended	750-459			753-459	267
0 – 30 V	<input checked="" type="checkbox"/>				Differential measurement inputs	750-483			753-483	268
Modules for RTDs	<input checked="" type="checkbox"/>				Pt100 / RTD / NTC 20kΩ	750-461	750-461/000-200	750-461/025-000	753-461	269
	<input checked="" type="checkbox"/>				Pt100 / Configurable	750-461/003-000			753-461/003-000	269
	<input checked="" type="checkbox"/>				NTC 20k	750-461/020-000				269
	<input checked="" type="checkbox"/>				Resistance Measur. other Versions	750-461/000-00x				269
				<input checked="" type="checkbox"/>	Pt100 / RTD Pt 1000 / RTD Ni 1000 TK6180 / RTD	750-460 750-460/000-003 750-460/000-005				270
				<input checked="" type="checkbox"/>	4AI RTD (Building Automation)	750-463				271
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	RTD, configurable	750-464				272
				<input checked="" type="checkbox"/>	NTC, configurable	750-464/020-000				272
				<input checked="" type="checkbox"/>	4AI RTD configurable	750-450				273
				<input checked="" type="checkbox"/>	8AI RTD configurable	750-451				274
Thermocouples	<input checked="" type="checkbox"/>				K/Diagn.	750-469	750-469/000-200		753-469	275
	<input checked="" type="checkbox"/>				J/Diagn.	750-469/000-006	750-469/000-206			275
	<input checked="" type="checkbox"/>				Configurable	750-469/003-000				275
	<input checked="" type="checkbox"/>				S/; T/; ±120mV/; E/; L/Diagn.	750-469/000-00x				275
Analog Special Functions	<input checked="" type="checkbox"/>				Resistor Bridges (Strain Gauge) Resistor Bridges (Strain Gauge), 125ms	750-491 750-491/000-001				276
		<input checked="" type="checkbox"/>			3-Phase Power Measurement Module (1 A) 3-Phase Power Measurement Module (5 A)	750-493 750-493/000-001				277
		<input checked="" type="checkbox"/>			3-Phase Power Measur. Module (480 V/1 A)	750-494		750-494/025-000		278
		<input checked="" type="checkbox"/>			3-Phase Power Measur. Module (480 V/5 A)	750-494/000-001		750-494/025-001		278
		<input checked="" type="checkbox"/>			3-Phase Power Measur. Module (690 V/1 A) 3-Phase Power Measur. Module (690 V/5 A) 3-Phase Power Measur. Module (690 V/RC)	750-495 750-495/000-001 750-495/000-002				279
Exi						see Section 4.9				