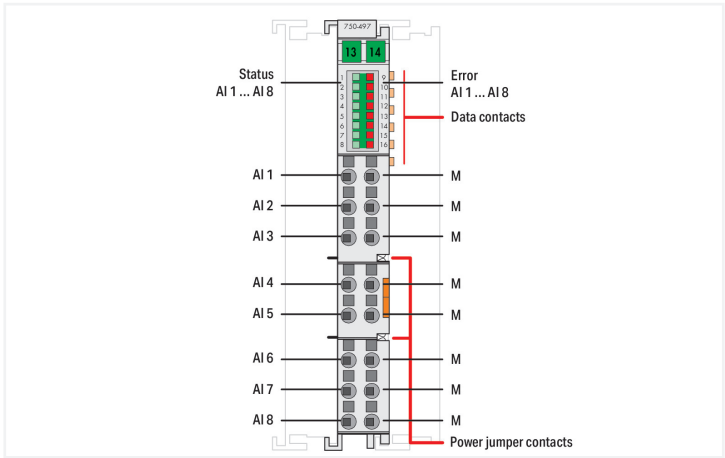
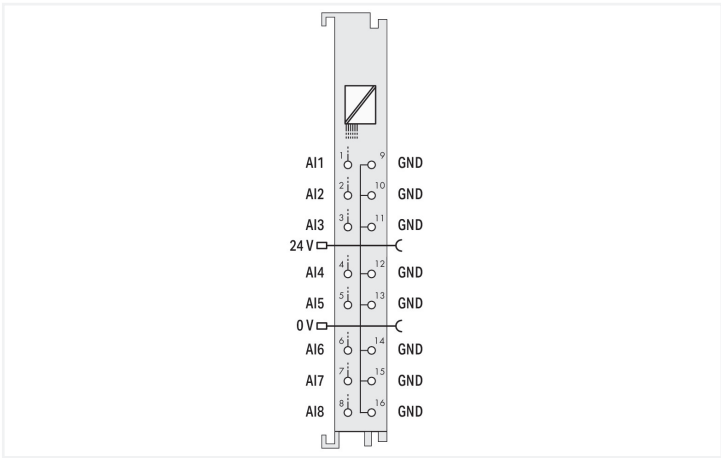
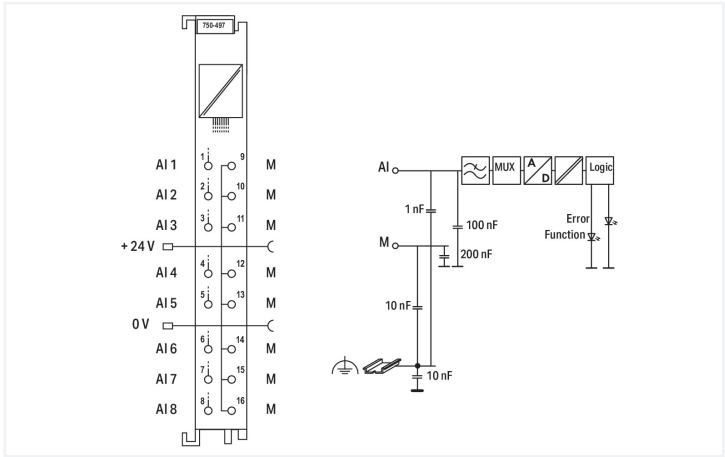




This analog input module processes standard 0–10 VDC and ±10 V signals.
The input signal is electrically isolated and is transmitted with a resolution of 12 bits.
An out-of-measurement range is indicated by a red LED.
Unused channels can be deactivated.
The module can be configured via WAGO-I/O-CHECK or GSD files.
It features an extremely compact design and low measurement errors.

Technical data	
Number of analog inputs	8
Total number of channels (module)	8
Signal type	Voltage
Signal type (voltage)	0 ... 10 VDC; -10 ... +10 VDC
Signal type (configurable)	Yes
Sensor connection	8 x (2-wire)
Input voltage (max.)	35 V
Resolution [bit]	12 bits
Data width	8 x 16-bit data; 8 x 8-bit control/status (optional)
Internal resistance	100 kΩ
Measurement error (reference temperature)	25 °C
Measurement error, deviation (max.) from the upper-range value	0.1 %
Temperature error (max.) of the upper-range value	0.01 %/K
Configuration options	WAGO-I/O-CHECK CODESYS Library e!COCKPIT
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	105 mA



Technical data		
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (supply voltage field side only) via spring contact)	
Isolation	500 V system/field	
Indicators	LED (1-8) green: Status AI 1 ... AI 8; LED (9-16) red: Error AI 1 ... AI 8	
Number of incoming power jumper contacts	2	
Number of outgoing power jumper contacts	2	

Connection data		
Connection technology: inputs/outputs	16 x Push-in CAGE CLAMP®	
Connection type 1	Inputs/outputs	
Solid conductor	0.08 ... 1.5 mm² / 28 ... 16 AWG	
Fine-stranded conductor	0.25 ... 1.5 mm² / 22 ... 16 AWG	
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches	

Physical data		
Width	12 mm / 0.472 inches	
Height	100 mm / 3.937 inches	
Depth	69 mm / 2.717 inches	
Depth from upper-edge of DIN-rail	61.8 mm / 2.433 inches	

Mechanical data		
Mounting type	DIN-35 rail	

Material data		
Housing material	Polycarbonate; polyamide 6.6	
Fire load	0.837 MJ	
Weight	51.5 g	
Conformity marking	CE	

Environmental requirements		
Ambient temperature (operation)	0 ... +55 °C	
Ambient temperature (storage)	-40 ... +85 °C	
Protection type	IP20	
Pollution degree	2 per IEC 61131-2	
Operating altitude	0 ... 2000 m / 0 ... 6562 ft	
Mounting position	Horizontal left, horizontal right, horizontal up, horizontal down, vertical top and vertical bottom	
Relative humidity (without condensation)	95 %	
Vibration resistance	4g per IEC 60068-2-6	
Shock resistance	15g per IEC 60068-2-27	
EMC immunity to interference	per EN 61000-6-2	
EMC emission of interference	per EN 61000-6-3	
Exposure to pollutants	per IEC 60068-2-42 and IEC 60068-2-43	
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm	
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm	



Commercial data	
eCl@ss 10.0	27-24-26-01
eCl@ss 9.0	27-24-26-01
ETIM 8.0	EC001596
ETIM 7.0	EC001596
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143350389
Customs tariff number	85389099990

Environmental Product Compliance	
CAS-No.	1303-86-2 1317-36-8 7439-92-1
REACH Candidate List Substance	Diboron trioxide Lead Lead monoxide
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	38de749d-60e7-4ae0-8a6c-b7904631cc54
SCIP notification number (Belgium)	617d2eee-1051-47a5-a6f3-241ffc99cd81
SCIP notification number (Bulgaria)	ec0fec79-db68-4962-8b63-e4c7fa14ed75
SCIP notification number (Czech Republic)	a8030d24-0aaa-40ba-8889-6fb64f1f7369
SCIP notification number (Denmark)	f7502ecb-a254-45cd-afe6-998813d77656
SCIP notification number (Finland)	b5c5226d-727b-44e3-b399-5758985b3d61
SCIP notification number (France)	3cfd4907-984d-4011-9458-2cc7b41c0686
SCIP notification number (Germany)	874938e3-f716-48cb-809e-60271ce1949b
SCIP notification number (Hungary)	dbe4bef0-4e14-490d-bc6c-9884adfea47b
SCIP notification number (Italy)	a340c2a5-4e3b-44c9-a071-bdfdecf7878c
SCIP notification number (Netherlands)	c7044e74-e017-41f8-b9be-7984d9467ca3
SCIP notification number (Poland)	68af4241-5680-43d6-b427-21db7e324d80
SCIP notification number (Romania)	90270177-f50c-416f-b6f4-64291fd3831d
SCIP notification number (Sweden)	de69e8e7-6046-4fdc-939a-c044525c1cb6

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
  		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-AIM750
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199
		Approval
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG
		UK-Declaration of Confor- mity WAGO GmbH & Co. KG



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	22-2219060
BSH Bundesamt fuer See- schifffahrt und Hydrogra- phie	-	1104
BV Bureau Veritas S.A.	Rules for class. of Steel Ships	66711/A0
DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194
KR Korean Register of Ship- ping	-	KR HMB05880-AC001
LR Lloyds Register EMEA	-	LR22180952TA
PRS Polski Rejestr Statków	-	TE/1101/880590/23
RINA RINA Germany GmbH	-	ELE343521XG001

Approvals for hazardous areas



Approval	Standard	Certificate Name
ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc)
CCCEX CQST/CNEx	CNCA-C23-01	2020312310000213 (Ex ec IIC T4 Gc)
IECEX TUEV Nord Cert GmbH	IEC 60079-0	IECEX TUN 14.0035 X (Ex ec IIC T4 Gc)
INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079-0	TÜV 12.1297 X
KTL Korea Testing Laboratory	KOSHA Article 34, IEC60079-0	21-KA4BO-0555X
UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WA GO22UKEX003X_ec
UL Underwriters Laboratories Inc. (HAZARDOUS LOCA- TIONS)	UL 121201	E198726

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 750-497

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Documentation

Manual

System Manual Series
750/753

↓

Product Manual 8-
channel, 0 - 10VDC /
±10VDC

V 1.2.0

pdf
3047.55 KB

↓

System Description

750/753 Series I/O-
System – General Pro-
duct Information

pdf
953.35 KB

↓

Overview on WAGO-I/
O-SYSTEM 750 appro-
vals

pdf
770.48 KB

↓

Bid Text

750-497

19.02.2019

xml
4.33 KB

↓

750-497

19.10.2017

doc
28.50 KB

↓

ausschreiben.de
750-497

↓

Instruction Leaflet

CCC Ex (Additional in-
formation)

26.04.2023

pdf
159.76 KB

↓



Application Notes

Application Note CoDeSys 2.3			
Application Note Library ModuleAccess_01	05.01.2016 29.01.2016	zip 1001.22 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 750-497	EPLAN Data Portal 750-497
	WSCAD Universe 750-497
	ZUKEN Portal 750-497

1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 Mounting accessories



Item No.: 210-196
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



Item No.: 210-198
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored



Item No.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored



Item No.: 210-197
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



Item No.: 210-506
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored



Item No.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



Item No.: 210-118
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored



Item No.: 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; silver-colored



Item No.: 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; silver-colored



Item No.: 210-504
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored



Item No.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored



Item No.: 210-505
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

1.1.2 Marking

1.1.2.1 Group marker carrier



Item No.: 750-107
Group marker carrier



1.1.2.2 Marker

Item No.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	Item No.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	Item No.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	Item No.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange
Item No.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	Item No.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	Item No.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	Item No.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow
Item No.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	Item No.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	Item No.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green	Item No.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green
Item No.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	Item No.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	Item No.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet	Item No.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white
Item No.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow			

1.1.2.3 Marker carrier

Item No.: 750-103 Group marker carrier
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1.1.3 Shield termination

1.1.3.1 Shield clamping saddles

Item No.: 790-108 Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm	Item No.: 790-208 Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm	Item No.: 790-116 Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm	Item No.: 790-216 Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm
Item No.: 790-124 Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm	Item No.: 790-220 Shield clamping saddle; 30 mm wide; 6 ... 20 mm	Item No.: 790-140 Shield clamping saddle; diameter of compatible conductor	



1.1.4 System enclosure

1.1.4.1 System enclosure



Item No.: 850-825
IP65 enclosure; Aluminium (RAL 7032);
WxHxD (160x100x160 mm); 9 x M12, 4 x
M20



Item No.: 850-826
IP65 enclosure; Aluminium (RAL 7032);
WxHxD (240x100x160 mm); 4 x M20, 4 x
M16, 14 x M12 cable grip



Item No.: 850-827
IP65 enclosure; Aluminium (RAL 7032);
WxHxD (320x100x160 mm); 4 x M20, 8 x
M16, 17 x M12 cable grip



Item No.: 850-828
IP65 enclosure; Aluminium (RAL 7032);
WxHxD (480x100x160 mm); 4 x M20, 10 x
M16, 35 x M12 cable grip



Item No.: 850-826/002-000
IP65 enclosure; Aluminium (RAL 7035);
WxHxD (240x100x160 mm); 4 x M20, 4 x
M16, 14 x M12 cable grip



Item No.: 850-827/002-000
IP65 enclosure; Aluminium (RAL 7035);
WxHxD (320x100x160 mm); 4 x M20, 8 x
M16, 17 x M12 cable grip



Item No.: 850-828/002-000
IP65 enclosure; Aluminium (RAL 7035);
WxHxD (480x100x160 mm); 4 x M20, 10 x
M16, 35 x M12 cable grip



Item No.: 850-834
IP65 enclosure; Polyester (RAL 7032); Wx-
HxD (164x100x164 mm); 9 x M12, 4 x M20



Item No.: 850-835
IP65 enclosure; Polyester (RAL 7032); Wx-
HxD (244x100x164 mm); 4 x M20, 4 x
M16, 14 x M12 cable grip



Item No.: 850-836
IP65 enclosure; Polyester (RAL 7032);
WxHxD (324x100x164 mm); 4 x M20, 8 x
M16, 17 x M12 cable grip



Item No.: 850-814/002-000
IP65 enclosure; Sheet steel (RAL 7035);
WxHxD (200x120x200 mm); without flan-
ge plate



Item No.: 850-815/002-000
IP65 enclosure; Sheet steel (RAL 7035);
WxHxD (300x120x200 mm); without flan-
ge plate



Item No.: 850-816/002-000
IP65 enclosure; Sheet steel (RAL 7035);
WxHxD (400x120x200 mm); without flan-
ge plate



Item No.: 850-817/002-000
IP65 enclosure; Sheet steel (RAL 7035);
WxHxD (600x120x200 mm); without flan-
ge plate

1.1.5 Tool

1.1.5.1 Operating tool



Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a
partially insulated shaft