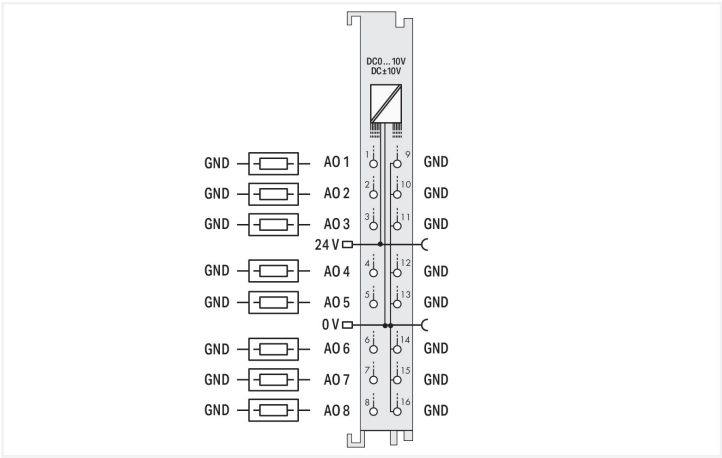
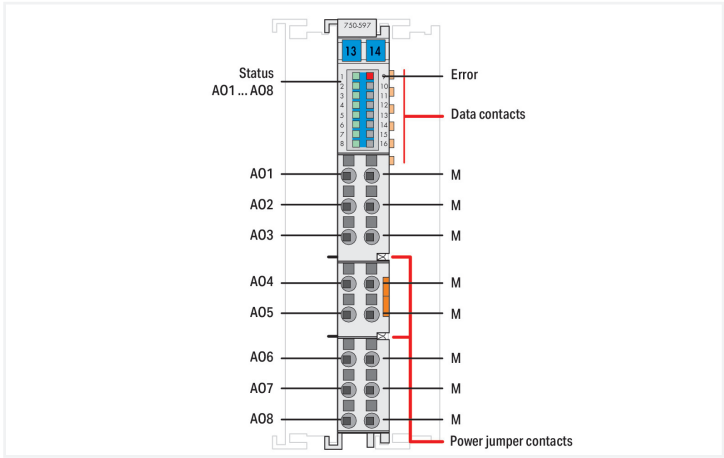
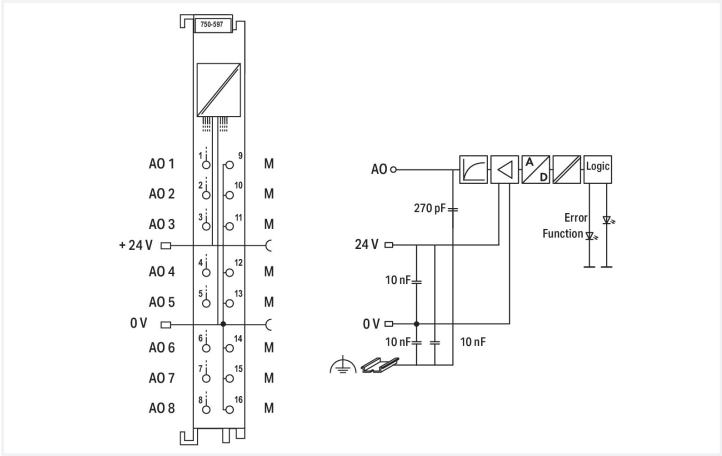




This analog output module generates signals of standard magnitudes 0-10 V and ±10 V. The output signal is electrically isolated and transmitted with a resolution of 12 bits.

Both the internal system and 24 V field side supply power the module.

The module's output channels have a common ground potential.

The module detects a 24 V field supply failure. The status is transmitted to the fieldbus coupler and indicated by an LED.

The module can be configured via WAGO-I/O-CHECK or GSD files.

Technical data	
Number of analog outputs	8
Total number of channels (module)	8
Signal type	Voltage
Signal type (voltage)	0 ... 10 VDC
Actuator connection	8 x (2-wire)
Resolution [bit]	12 bits
Data width	8 x 16-bit data; 8 x 8-bit control/status (optional)
Load impedance (voltage output)	≥ 2 kΩ
Conversion time (typ.)	13 ms
Output error, reference temperature	25 °C
Output error, deviation (max.) of the upper-range value	0.1 %
Temperature coefficient	≤ 10 ppm/K of the largest output area
Configuration options	WAGO-I/O-CHECK CODESYS Library
Supply voltage (system)	5 VDC; via data contacts



Technical data	
Current consumption (system supply)	61 mA
Supply voltage (field)	24 VDC (-15 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (field side supply voltage only) via spring contact)
Isolation	500 V system/field
Indicators	LED (1-8) green: Status AO 1 ... AO 8; LED (9) red: Error
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2

Connection Data	
Connection technology: I/O	16 x Push-in CAGE CLAMP®
Connectable conductor materials	Copper
Connection type	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
Pluggable connector	fixed

Material data	
Housing material	Polycarbonate; polyamide 6.6
Fire load	0.819 MJ
Weight	48 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 top, horizontal bottom, vertical top and vertical bottom
Relative humidity (without condensation)	95 %
Vibration resistance	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		
PU (SPU)	1 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4055143432146	
Customs tariff number	85371098990	

Product Classification		
UNSPSC	32101505	
eCl@ss 10.0	27-24-26-01	
eCl@ss 9.0	27-24-26-01	
ETIM 9.0	EC001596	
ETIM 10.0	EC001596	
ECCN	NO US CLASSIFICATION	

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)	aa2065b7-0a5a-43f4-aa10-a820968ad6e7	
SCIP notification number (Belgium)	67e5abd3-1a8f-4a50-a8a3-1753d8fe67b6	
SCIP notification number (Bulgaria)	af64fb6b-3e6d-4af2-8198-e2db1db7845d	
SCIP notification number (Czech Republic)	d3904cce-e3bf-49cc-a3bf-50dbf39b39fd	
SCIP notification number (Denmark)	6ce3c3a3-9ef6-4a54-9be4-c17f7ea3f0d0	
SCIP notification number (Finland)	aa7950fb-20f1-450e-845e-4dc98c34fdde	
SCIP notification number (France)	99c6c3b1-abd5-4b64-ad99-d1bd5a146612	
SCIP notification number (Germany)	90ea1d0d-7741-4cf5-93c4-8ef00368d285	
SCIP notification number (Hungary)	388a5d82-84cf-4133-8dc2-429b8394dca7	
SCIP notification number (Italy)	e151c495-20a9-4b56-a2db-0f57dd7c08d5	
SCIP notification number (Netherlands)	0a3d8e91-bcc0-4949-b6f6-ea69e38f1785	
SCIP notification number (Poland)	6c5a69c4-9955-4b06-97a8-376fe7336355	
SCIP notification number (Romania)	498c66ea-d66d-4c58-8d70-264d3fb3ce9b	
SCIP notification number (Sweden)	525ccb7a-8f2d-4fcb-859a-fae4fe914f65	

Approvals / Certificates																							
General approvals		Declarations of conformity and manufacturer's declarations																					
 <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EAC GZO Almaty Standart</td><td>TP TC 020/2011</td><td>EAC CoC 03083</td></tr><tr><td>KC National Radio Research Agency</td><td>Article 58-2, Clause 3</td><td>MSIP-REM-W43-AOM750</td></tr><tr><td>UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)</td><td>-</td><td>E175199</td></tr></table>		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-AOM750	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199	<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
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EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-																					
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-																					

Approvals for hazardous areas

PTB

0102









INMETRO



TÜV Rheinland
GCP 0004



UKEX



DEKRA

8505

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 Lt- da.	IEC 60079-0	TÜV 12.1297 X
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 750-597



Documentation

Manual

System Manual Series
750/753



Product Manual 8-chan-
nel, 0-10VDC / ±10VDC

V 1.2.0
04.12.2019

pdf
2839.92 KB



System Description

750/753 Series I/O-Sys-
tem – General Product
Information

pdf
953.35 KB



Overview on WAGO-I/O-
SYSTEM 750 approvals

pdf
770.48 KB



Bid Text

750-597

19.02.2019

xml
4.67 KB



750-597

05.03.2019

docx
17.32 KB



ausschreiben.de
750-597



Instruction Leaflet

CCC Ex (Additional infor-
mation)

26.04.2023

pdf
159.76 KB





Application Notes

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

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 750-597 ↓	EPLAN Data Portal 750-597 ↓
	WSCAD Universe 750-597 ↓
	ZUKEN Portal 750-597 ↓

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; unslopped; similar to EN 60715; silver-colored



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



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



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



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



Item No.: 210-115
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; 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; slopped; according to EN 60715; "Hole width 25 mm; silver-colored



Item No.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; 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



1.1.2.2 Marker



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

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 Supply module

1.1.4.1 Supply module



Item No.: 750-612
Power Supply; 0 ... 230 V AC/DC



Item No.: 750-602
Power Supply; 24 VDC



Item No.: 750-601
Power Supply; 24 VDC; fuse holder



Item No.: 750-610
Power Supply; 24 VDC; fuse holder; Diagnostics



1.1.5 System enclosure

1.1.5.1 System enclosure



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



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



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



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



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



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



Item No.: 850-828/002-000
IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (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); Wx-HxD (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); Wx-HxD (200x120x200 mm); without flange plate



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



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



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

1.1.6 Tool

1.1.6.1 Operating tool



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