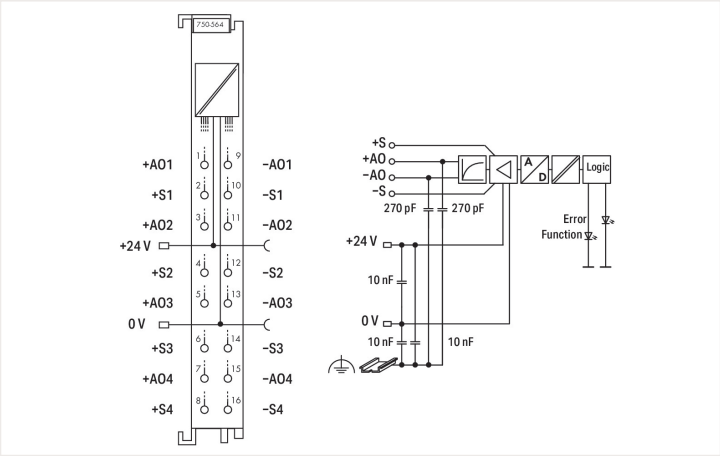
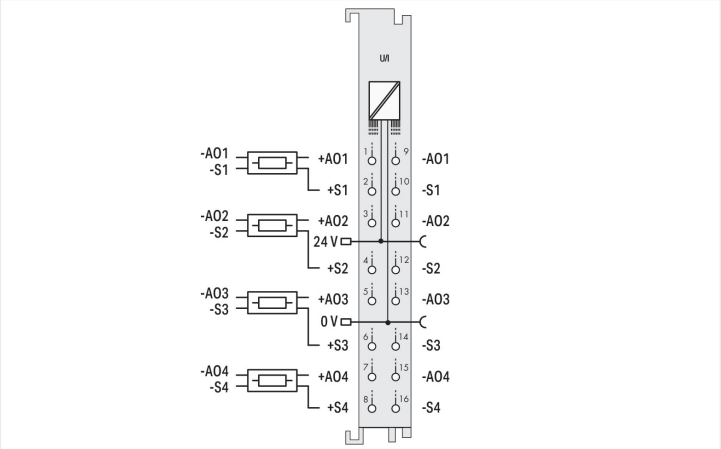
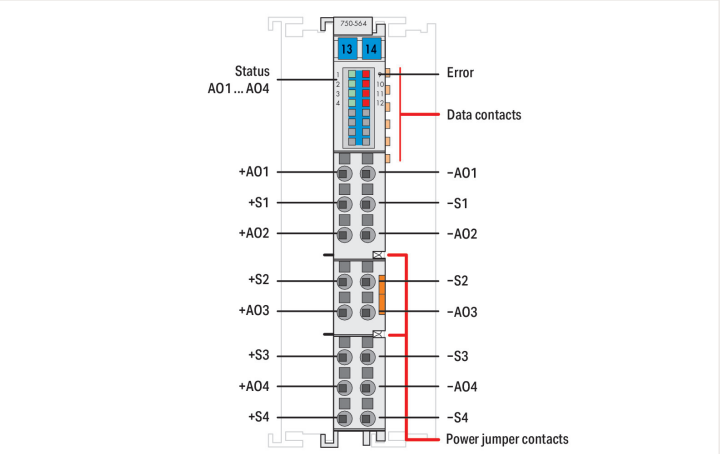
Data sheet | Item number: 750-564

4-channel analog output; Voltage/Current

https://www.wago.com/750-564







The analog output module provides a variety of standardized signals for voltage and current.
The output signal can be parameterized channel by channel.
The output signal is electrically isolated and transmitted with a resolution of 16 bits.
Both the internal system and field side supply power the module.
Wire break, overload and insufficient field supply, are diagnosed and displayed.

The module is protected against wrong wiring (feedback).

Voltage outputs can optionally be connected in 4-wire technology via the sense lines.

The module can be configured via GSD file, ***e!****COCKPIT* and WAGO-I/O-*CHECK*.

Technical data

Number of analog outputs	4
Total number of channels (module)	4
Signal type	Voltage Current
Signal type (current)	0 … 10 mA; 2 … 10 mA; -10 … +10 mA; 0 … 20 mA; 4 … 20 mA; -20 … +20 mA; 0 … 22 mA; -22 … +22 mA; 0 … 12 mA; -12 … +12 mA
Signal type (voltage)	0 … 5 V; 1 … 5 V; -5 … +5 V; 0 … 10 V; 2 … 10 V; -10 … +10 V; 0 … 12 V; -12 … +12 V
Actuator connection	4 x (2-wire); Voltage outputs can optionally be connected in 4-wire technology via the sense lines.
Resolution [bit]	16 bits
Data width	4 x 16-bit data; 4 x 8-bit control/status (optional)
Load impedance (voltage output)	≥ 1 kΩ
Load impedance (current output)	≤ 600 Ω
Conversion time (typ.)	3 ms
Reference for measurement error	Voltage/current

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Technical data

Output error, reference temperature	25 °C
Output error, deviation (max.) of the upper-range value	0.05 %
Temperature coefficient	U: ±25 ppm/K of the upper-range value; I: ±50 ppm/K of the upper-range value
Configuration options	WAGO-I/O-*CHECK* CODESYS Library ***e!****COCKPIT*
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	55 mA
Supply voltage (field)	24 VDC (-25 … +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact)
Isolation	500 V system/field
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	0.809 MJ
Weight	51 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 … +55 °C
Surrounding air temperature (storage)	-25 … +85 °C
Protection type	IP20
Pollution degree (5)	2 per IEC 61131-2
Operating altitude	0 … 2000 m / 0 … 6562 ft
Mounting position	horizontal (standing/lying); vertical
Relative humidity (without condensation)	95 %
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_2S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO_2 contaminant concentration at a relative humidity 75 %	25 ppm

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Approvals and certificates

Ex-Approvals

Approval	Standard	Certificate name
ATEX TUEV Nord Cert GmbH	EN 60079-0	
CCCEx CQST/CNEx	CNCA-C23-01	2020312310000213 (Ex nA 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	BR-Ex_TÜV 12.1297 X
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

Country specific Approvals

Approval	Standard	Certificate name
EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087/19
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-AOM750

Ship Approvals

Approval	Standard	Certificate name
BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1104
BV Bureau Veritas S.A.	Rules for class. of Steel Ships	66711/A0
DNV DNV Germany GmbH	DNV-CG-0339,Aug.2021	TAA0000194
KR Korean Register of Shipping	-	KR HMB05880-AC001

UL-Approvals

Approval	Standard	Certificate name
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

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ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS
Est.1899

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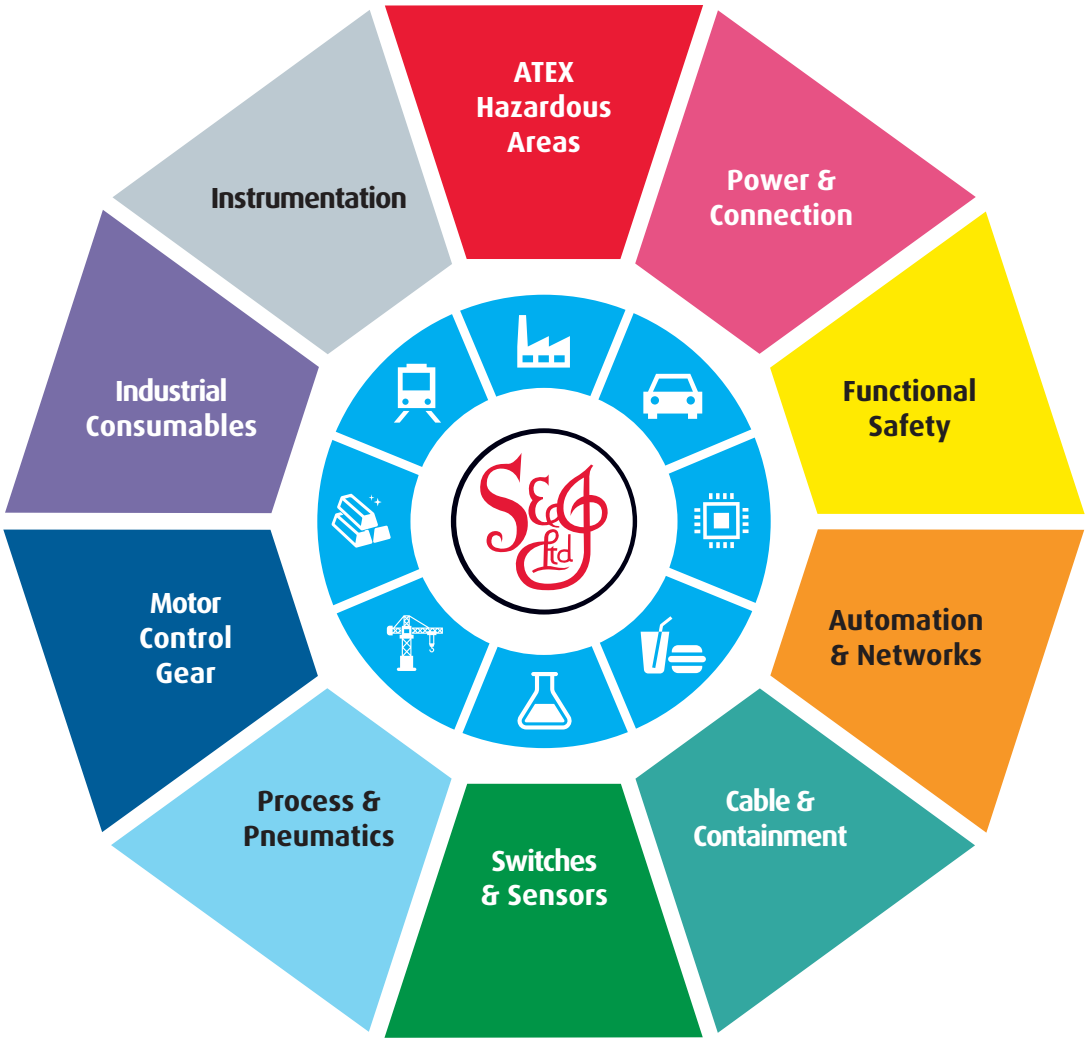

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