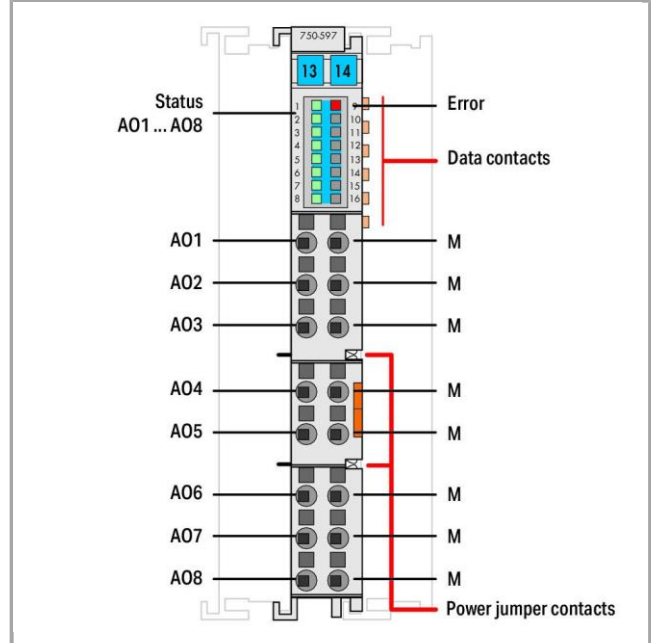


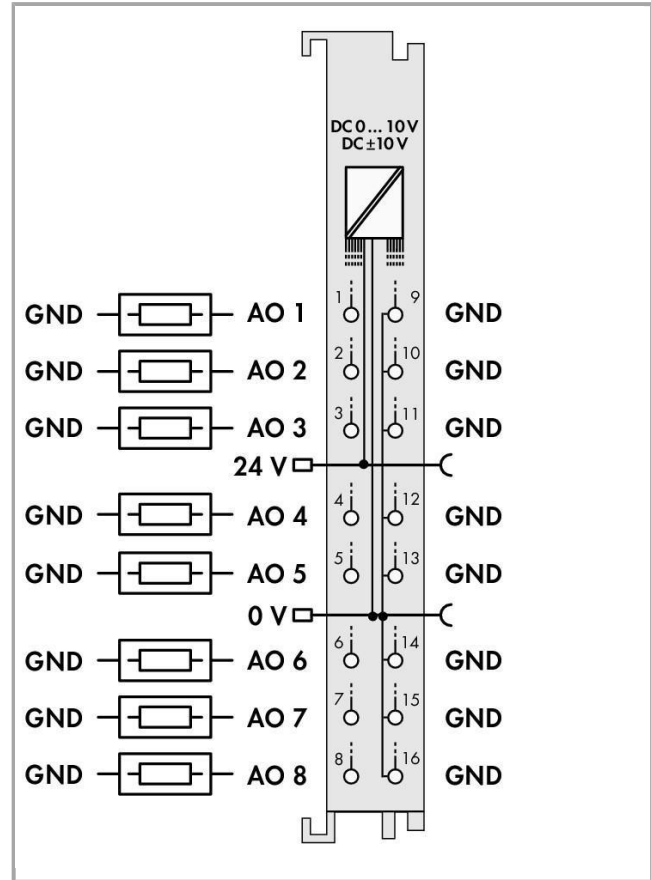
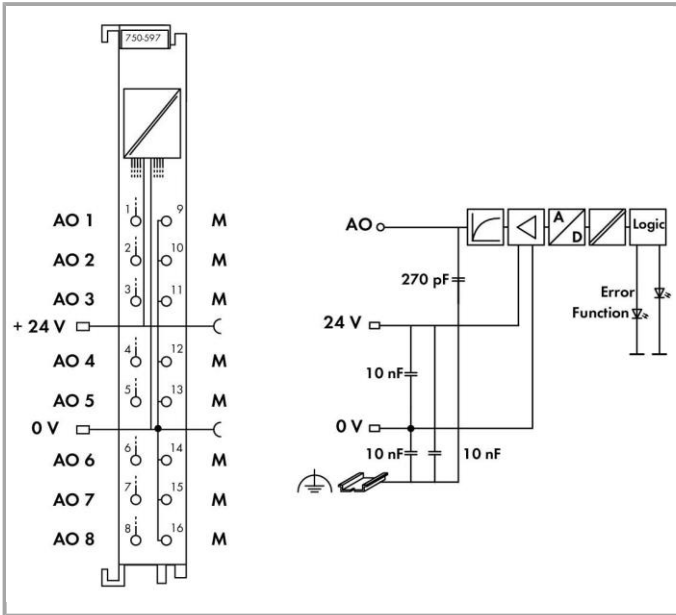
Data sheet | Item number: w750-597
8-channel analog output; 0 ... 10 V/±10 VDC

<https://www.domat-int.com/en/data-sheets>



RoHS  Compliant 





Item description

The analog output module generates signals of a standard magnitude 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 24V field side supply power the module.

The output channels of the module have a common ground potential.

The bus 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.

Data

Technical Data

Number of analog outputs	8
Total number of channels (module)	8
Type of signal	Voltage
Type of signal voltage	DC 0 ... 10 V
Actuator connection	8 × (2-conductor)
Resolution [bit]	12 Bit
Bit width	8 x 16-bit data; 8 x 8-bit control/status (optional)

Load impedance (output/voltage)	≥ 2 kΩ
Conversion time (typ. ≤)	13 ms
Measurement error, reference temperature	25 °C
Measurement error, deviation max. from full scale	0.1 %
Temperature coefficient	≤ ± 10 ppm/K of the largest output area
System supply voltage	DC 5 V; via data contacts
Current consumption, system supply (5 V)	61 mA
System and sensor supply voltage	
Field supply voltage	DC 24 V (-15 ... +30 %); connection via blade contacts, communication via spring contacts)
Isolation	500 V system/field
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2

Connection data

Connection technology: Outputs	16 × Push-in CAGE CLAMP®
Connection type (1)	Outputs
Solid conductor	0.08 ... 1.5 mm ² / 28 ... 16 AWG
Fine-stranded conductor	0.25 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch

Geometrical Data

Width	12 mm / 0.472 inch
Height	69 mm / 2.717 inch
Height from upper-edge of DIN-35 rail	61.8 mm / 2.433 inch
Depth	100 mm / 3.937 inch

Mechanical data

Type of mounting	DIN-35 rail
------------------	-------------

Material Data

Housing material	Polycarbonate, polyamide 6.6
Fire load	0 MJ
Weight	48 g
Conformity marking	CE

Environmental Requirements

Surrounding air (operating) temperature	0 ... 55 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Protection class	IP20


Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying) or vertical
Relative air humidity (no condensation)	95 %
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to 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

Country of origin	DE
GTIN	4055143432146

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM- W43AOM750

Subject to changes.

Domat control system

WAGO Kontakttechnik GmbH & Co. KG (manufacturer)

Do you have any questions about our products?

We are always happy to take your call at +420 461 100 666.