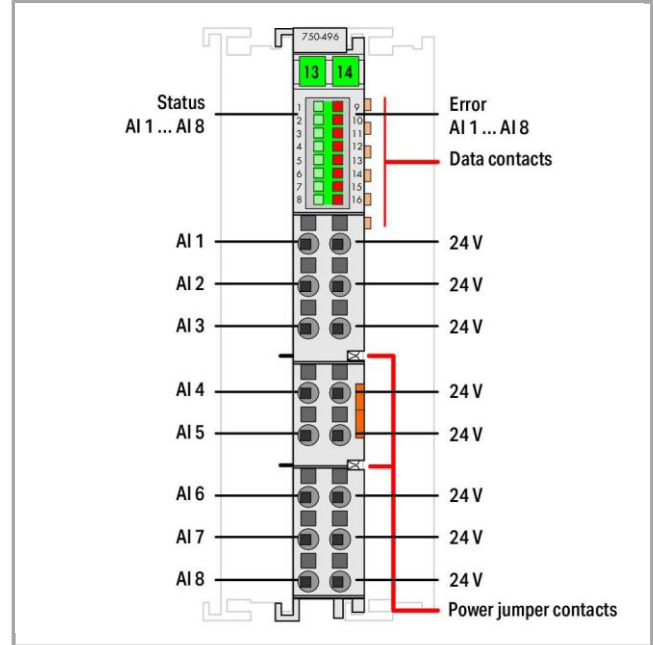
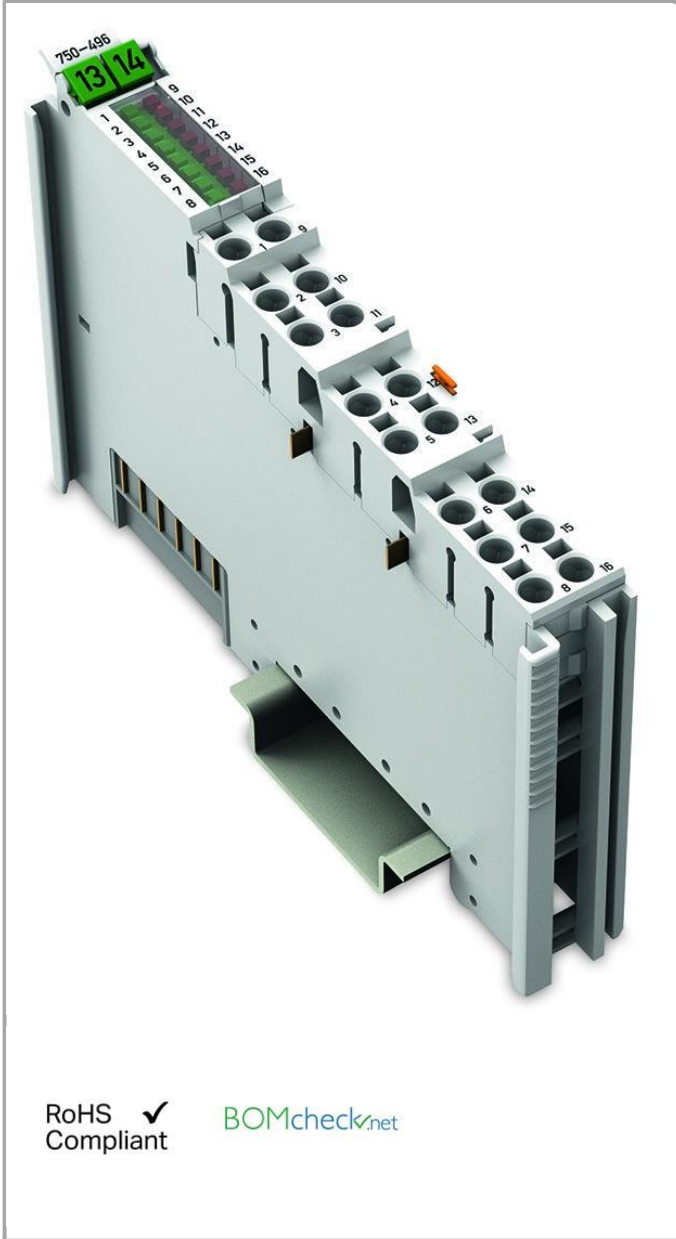


Data sheet | Item number: w750-496

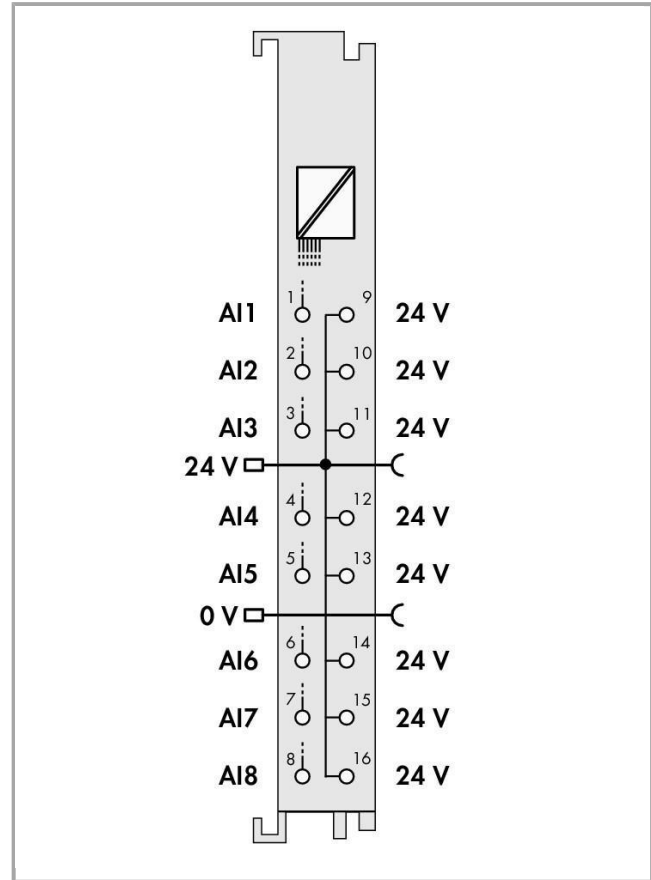
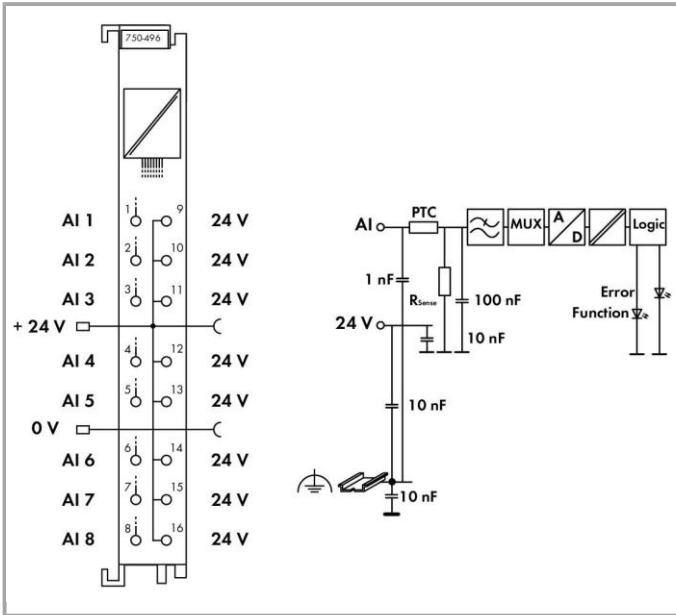
8-channel analog input - current; 0/4 ... 20 mA; Single-ended

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



RoHS 
Compliant

 BOMcheck.net



Item description

This analog input module processes standard 0 ... 20 mA, 4 ... 20 mA and 3.6 ... 21 mA signals (Namur NE43).

The module provides a 24 V power supply, providing a direct connection to 2-wire sensors.

The input signal is electrically isolated and transmitted with a resolution of 12 bits.

Wire break, short circuit and out-of-measurement range are 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.

Data

Technical Data

Number of analog inputs	8
Total number of channels (module)	8
Type of signal	Current
Type of signal current	DC 0 ... 20 mA; DC 4 ... 20 mA; DC 3.6 ... 21 mA
Configurable type of signal	yes
Conversion time (typ. ≤)	10 ms

Sensor connection	8 × (2-conductor)
Input voltage (max.)	31.2 V
Resolution [bit]	12 Bit
Input resistance	max. 220 Ω
Bit width 8 x 16-bit data;	8 × 8-bit control/status (optional)
Measurement error, reference temperature	25 °C
Measurement error, deviation max. from full scale	0.1 %
Temperature error max. from the full-scale value	0.01 %/K
System supply voltage	DC 5 V; via data contacts
Current consumption, system supply (5 V)	69 mA
System and sensor supply voltage	
Field supply voltage	DC 24 V (-25 ... +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: Input	16 × Push-in CAGE CLAMP®
Connection type (1)	Inputs
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	0.338 MJ
Weight	62 g
Conformity marking	CE

Environmental Requirements


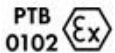

Surrounding air (operating) temperature	0 ... 55 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Protection class	IP20
Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying) or vertical
Relative air humidity (no condensation)	95 %
Vibration resistance	4g per 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	4055143350365

Approvals / Certificates





Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	IEC 60079-0	IECEX_TUN_14.0035_X
	ATEX TUEV Nord Cert GmbH	EN 60079	TUEV_14_ATEX_148929_X
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	ANSI/ISA 12.12.01	E198726 Sec.1



Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43AIM750

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1821926
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00000Y7 Rev.1
	PRS Polski Rejestr Statków	-	TE/2236/880590/19

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199 Sec10

Subject to changes.

Domat control system

Do you have any questions about our products?

WAGO Kontakttechnik GmbH & Co. KG (manufacturer)

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