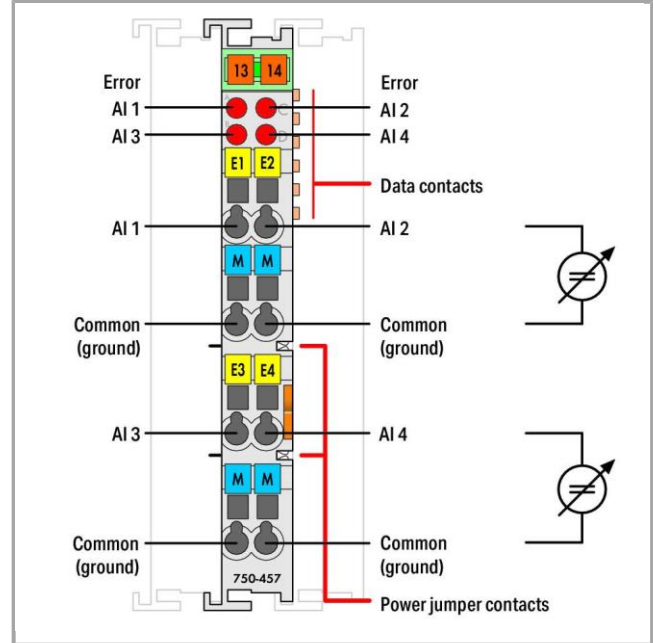


Data sheet | Item number: w750-457

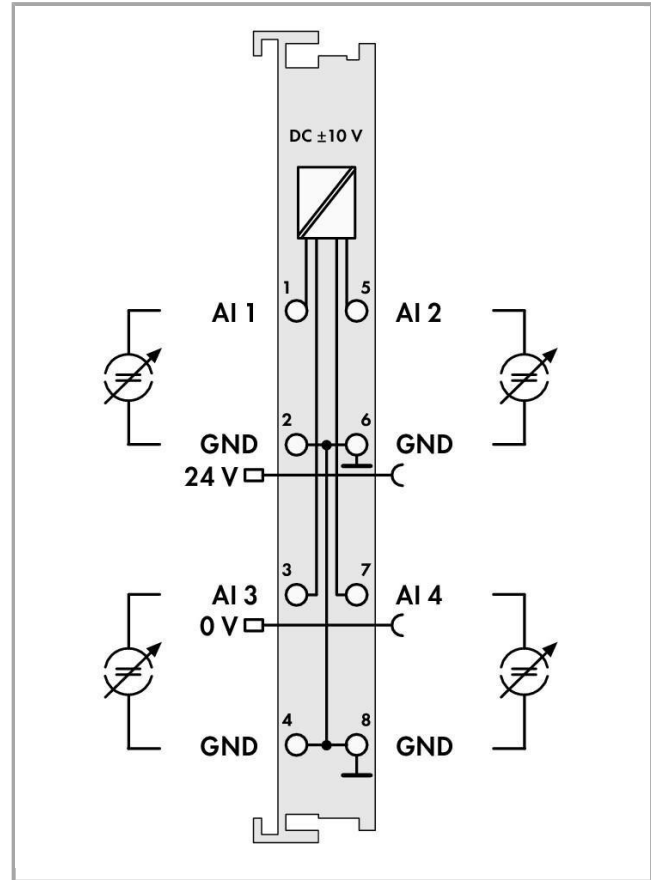
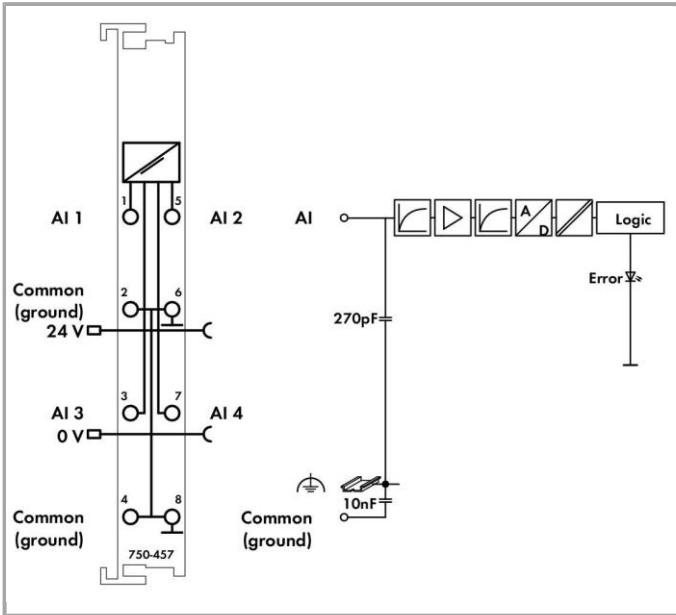
4-channel analog input - voltage; ± 10 V DC; Single-ended

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



RoHS
Compliant ✓

BOMcheck.net



Item description

The analog input module processes signals of a standard magnitude $\pm 10V$.

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

The internal system supply powers the module.

The input channels of the module have one common ground potential.

Data

Technical Data

Number of analog inputs	4
Total number of channels (module)	4
Type of signal	Voltage
Type of signal voltage	DC -10 ... +10 V
Sensor connection	4 × (2-conductor)
Input voltage (max.)	$\pm 40 V$
Signal characteristic	Single-ended
Resolution [bit]	12 Bit
Bit width	4 × 16-bit data; 4 × 8-bit control/status (optional)
Internal resistance	100 k Ω

Conversion time (typ. ≤)	10 ms
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)	65 mA
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
Current carrying capacity of the power jumper contacts	10 A

Connection data

Connection technology: Inputs	8 × CAGE CLAMP [®]
Connection type (1)	Inputs
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch

Geometrical Data

Width	12 mm / 0.472 inch
Height	69.8 mm / 2.748 inch
Height from upper-edge of DIN-35 rail	62.6 mm / 2.465 inch
Depth	100 mm / 3.937 inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Fire load	1.499 MJ
Weight	50.726 g
Conformity marking	CE

Environmental Requirements

Surrounding air (operating) temperature	0 ... 55 °C
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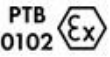

Surrounding air (storage) temperature	0 ... 85 °C
Protection class	20
Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying) or vertical
Relative air humidity (no condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-4, marine applications
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

Product Group	15 (Remote I/O)
Country of origin	DE
GTIN	4045454485375

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TÜV 07 ATEX 554086 X en.
	TUEV Nord TUEV Nord Cert GmbH	IEC 60079-0	IECEx TUN 09.0001 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-W43- AIM750

Ship Approvals





Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1821926
	ABS American Bureau of Shipping	Rules for class. of Steel Ships	16-HG1554285PDA
	BV Bureau Veritas S.A.	-	13453/DO BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
	KR Korean Register of Shipping	-	HMB05880AC001




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Data sheet | Item number: w750-457
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	LR Lloyds Register	-	02/20026 (E5)
	NK Nippon Kaiji Kyokai	-	TA17255M
	PRS Polski Rejestr Statków	-	TE/2236 /880590/19
	RINA RINA Germany GmbH	-	ELE343217XG

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

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