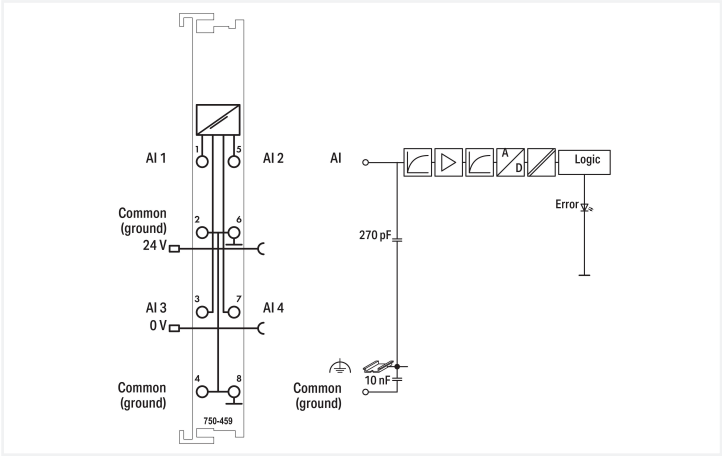
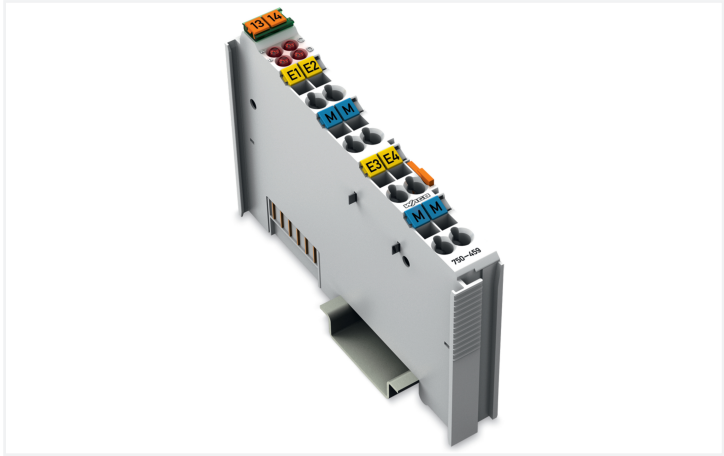
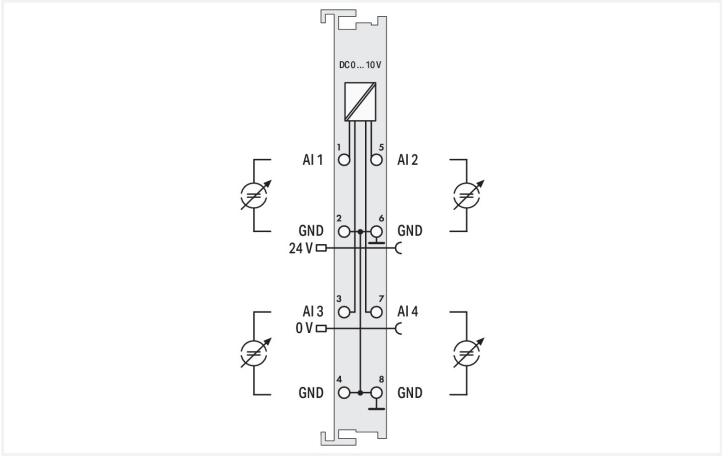
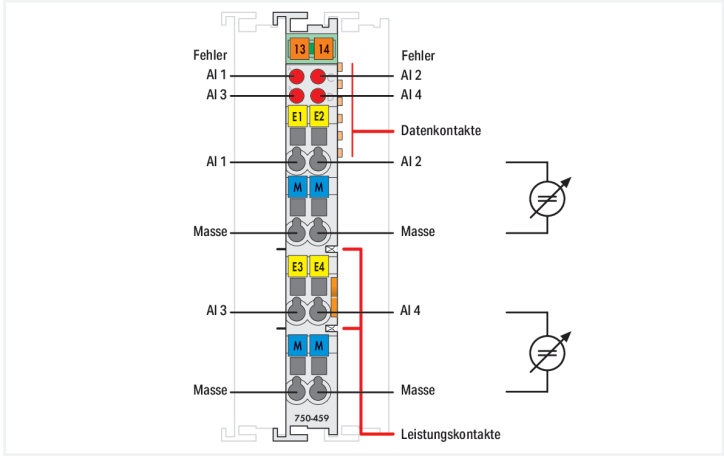




Color: ■ light gray



This analog input module processes standard 0–10 V signals.
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 a common ground potential.

Technical data	
Number of analog inputs	4
Total number of channels (module)	4
Signal type	Voltage
Signal type (voltage)	0 ... 10 VDC
Sensor connection	4 x (2-wire)
Input voltage (max.)	±40 V
Signal characteristics	Single-ended
Resolution [bit]	12 bits
Data width	4 x 16-bit data; 4 x 8-bit control/status (optional)
Internal resistance	100 kΩ
Conversion time (typ.)	10 ms
Measurement error (reference temperature)	25 °C
Measurement error, deviation (max.) from the upper-range value	0.1 %
Temperature error (max.) of the upper-range value	0.01 %/K



Technical data		
Supply voltage (system)	5 VDC; via data contacts	
Current consumption (system supply)	65 mA	
Supply voltage (field)	24 VDC (-25 ... +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 (A-D) red: Error AI 1 ... AI 4	
Number of incoming power jumper contacts	2	
Number of outgoing power jumper contacts	2	

Connection Data		
Connection technology: I/O	8 x CAGE CLAMP®	
Connectable conductor materials	Copper	
Connection type	Inputs/outputs	
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 inches	

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

Mechanical data		
Mounting type	DIN-35 rail	
Pluggable connector	fixed	

Material data		
Color	light gray	
Housing material	Polycarbonate; polyamide 6.6	
Fire load	1.492 MJ	
Weight	50.8 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	4g per IEC 60068-2-6	
Shock resistance	15g per IEC 60068-2-27	
EMC immunity to interference	per EN 61000-6-2, marine applications	
EMC emission of interference	per 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 (I/O System)	
PU (SPU)	1 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4045454471507	
Customs tariff number	85437090990	

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)	adfe4707-0107-4983-bbc9-28ab5d13e18b	
SCIP notification number (Belgium)	11c8e0b7-24a5-4749-a453-08727d634444	
SCIP notification number (Bulgaria)	fc6837a0-866f-43ac-810c-840777f19ae4	
SCIP notification number (Czech Republic)	e17af7b8-e3b3-49e2-8aee-fc79edfa2a25	
SCIP notification number (Denmark)	a22bd038-07ec-417a-b6e3-9f8c661889eb	
SCIP notification number (Finland)	9eca2b0c-8482-480d-921c-cd410cdef293	
SCIP notification number (France)	8ccc1fcd-baec-426d-92dd-887388d15578	
SCIP notification number (Germany)	a938dcef-87ea-463d-b8e8-9ac50285cc17	
SCIP notification number (Hungary)	eba7dc1b-e207-4669-a757-8e077d0aa315	
SCIP notification number (Italy)	e3389f06-9ed2-4966-a095-50f13099db5e	
SCIP notification number (Netherlands)	50d831c2-d787-4637-bffd-76c302fb2a81	
SCIP notification number (Poland)	7aba1503-157a-4041-ac2b-4e6927f8385d	
SCIP notification number (Romania)	85034795-5f2f-433f-80ad-38506e2cfefe	
SCIP notification number (Sweden)	1b9d1f8f-ebd6-4ad4-8d2a-fa8f2125796a	

Approvals / Certificates		
General approvals		General approvals
  		UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS) UL 508 E175199
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-AIM750



Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	25-0415412
BSH Bundesamt fuer Seeschiff-fahrt und Hydrographie	-	1104
BV Bureau Veritas S.A.	-	13453/E0 BV
DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194
KR Korean Register of Shipping	-	KR HMB05880-AC001
LR Lloyds Register EMEA	-	LR22180952TA
PRS Polski Rejestr Statków	-	TE/1101/880590/23
RINA RINA Germany GmbH	-	ELE343521XG001

Approvals for hazardous areas



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 LOCATIONS)	UL 121201	E198726

Manual			
Product Manual 4-channel, 0-10VDC, single-ended	2457995147 3 en-US 2025-06-03 16:17 30.10.2025	pdf 726.56 KB	↓
System Manual Series 750/753			↓

System Description		
750/753 Series I/O-System – General Product Information	pdf 953.35 KB	↓
Overview on WAGO-I/O-SYSTEM 750 approvals	pdf 770.48 KB	↓

750-459	19.02.2019	xml 4.16 KB	↓
750-459	19.10.2017	doc 27.00 KB	↓
ausschreiben.de 750-459			↓

CCC Ex (Additional information)	26.04.2023	pdf	159.76 KB	
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CAD data	
2D/3D Models 750-459	

CAE data	
EPLAN Data Portal 750-459	
WSCAD Universe 750-459	
ZUKEN Portal 750-459	

Device Driver			
WAGO USB Service Kabel Treiber / Serie 750 und 857	6.5.3.0 10.09.2014	zip 4721.96 KB	



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; unslotted; similar to EN 60715; silver-colored



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



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



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



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



Item No.: 210-112
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; 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; unslotted; according to EN 60715; silver-colored

1.1.2 Marking

1.1.2.1 Group marker carrier



Item No.: 750-106
Group marker carrier

1.1.2.2 Marker



Item No.: 750-100
Marker card; as a DIN A4 sheet; plain



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



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 System enclosure

1.1.4.1 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