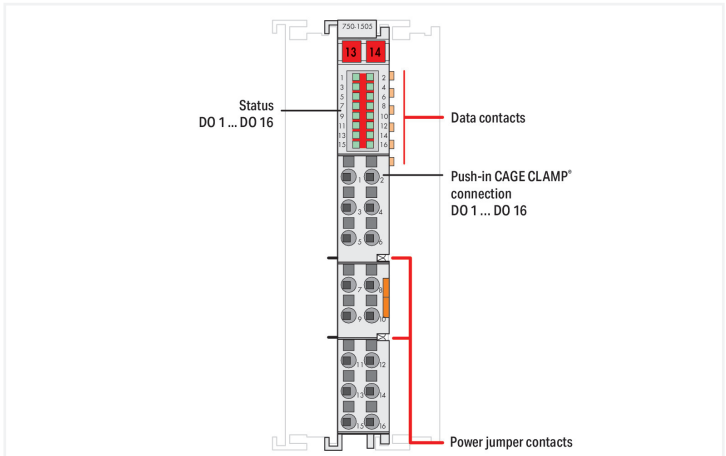
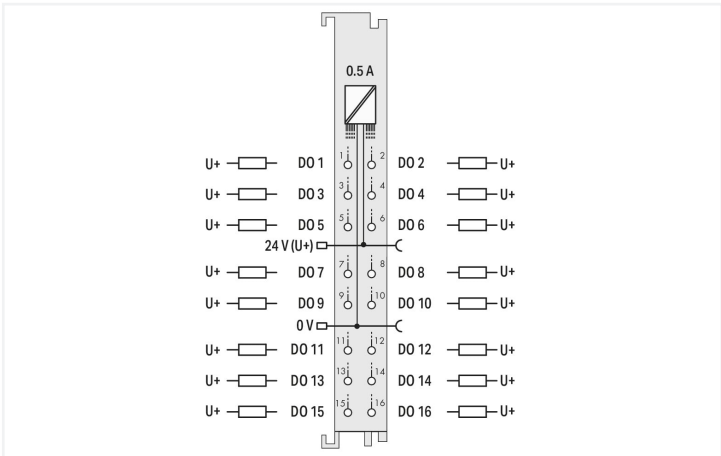
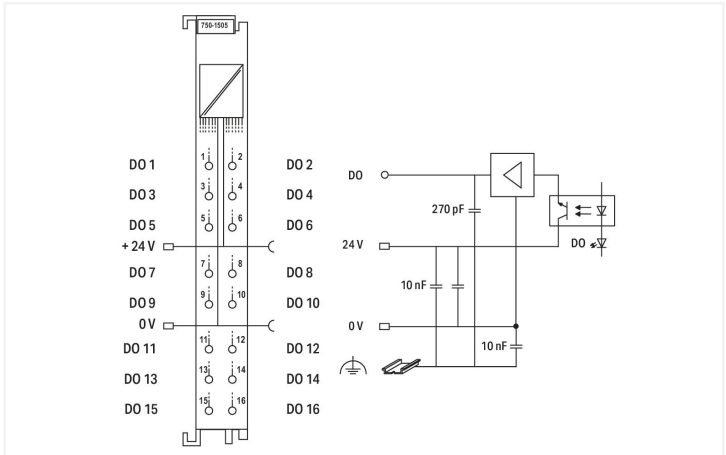




Color: ■ light gray



This digital output module features 16 channels in a width of just 12 mm (0.47 inch). It transmits binary control signals from the automation device to the connected actuators (e.g., magnetic valves, contactors, transmitters, relays or other electrical loads). The module features Push-in CAGE CLAMP® connections enabling solid conductors to be connected by simply pushing them in. A green LED indicates the signal state of each channel. Field and system levels are electrically isolated. An operating tool with a 2.5 mm blade (210-719) is required to open the Push-in CAGE CLAMP® connections.

Technical data	
Number of digital outputs	16
Total number of channels (module)	16
Signal type	Digital
Signal type (voltage)	24 VDC
Actuator connection	16 x (1-wire)
Output characteristic	low-side switching
Output current per channel	0.5 A
Output current	short-circuit-protected
Switching frequency (max.)	1 kHz
Load type	Resistive, inductive, lamp load
Output data width (internal) max.	16 bits
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	40 mA
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (supply voltage field side only) via spring contact)
Current consumption, field supply (module with no external load)	11 mA
Isolation	500 V system/field



Technical data		
Indicators		LED (1-16) green: Status DO 1 ... DO 16
Number of incoming power jumper contacts		2
Number of outgoing power jumper contacts		2
Current carrying capacity (power jumper contacts)		10 A
Connection data		
Connection technology: inputs/outputs		16 x Push-in CAGE CLAMP® (outputs)
Connection type 1		Output
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
Pluggable connector		fixed
Material data		
Color		light gray
Housing material		Polycarbonate; polyamide 6.6
Fire load		0.837 MJ
Weight		47.5 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 up, horizontal down, 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 61000-6-3, 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)
eCl@ss 10.0	27-24-26-04
eCl@ss 9.0	27-24-26-04
ETIM 9.0	EC001599
ETIM 8.0	EC001599
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454905552
Customs tariff number	85371098990

Environmental Product Compliance	
CAS-No.	1303-86-2 1317-36-8 7439-92-1 75980-60-8
REACH Candidate List Substance	Diboron trioxide Lead Lead monoxide Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	3226b730-4074-45fa-b8ec-61a974f3842e
SCIP notification number (Belgium)	a8e77bc5-8b31-4ad3-9ff7-1017ca955595
SCIP notification number (Bulgaria)	74f060e6-30b3-48d9-bde8-1e6d7e89e94d
SCIP notification number (Czech Republic)	2d97089b-42d1-4ed2-b0bb-35a5d75f8dd0
SCIP notification number (Denmark)	f275f896-16e2-499c-8539-fc7399c726f3
SCIP notification number (Finland)	eed91a68-6f14-4f17-863b-ed6fb9383281
SCIP notification number (France)	f05291df-d1a6-40b1-99f7-a5c08e3c7484
SCIP notification number (Germany)	6fb986c0-7c8d-4ec6-85f3-40590c3ffef0
SCIP notification number (Hungary)	d9f7c1f5-635c-4261-8dfa-bf49a0d09af9
SCIP notification number (Italy)	9c880323-c1d3-4850-8e04-98b3ad2a90c0
SCIP notification number (Netherlands)	37720692-749e-4a75-9095-b12fe5be45f7
SCIP notification number (Poland)	f60a531e-4e13-41b2-ba63-77784525f561
SCIP notification number (Romania)	c515dece-86d7-427c-9eb6-ef75888cf312
SCIP notification number (Sweden)	ba7f4e40-3696-478b-b6e5-5f2daf582b74

Approvals / Certificates											
General approvals		Declarations of conformity and manufacturer's declarations									
  											
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-DOM750									
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
Approval	Standard	Certificate Name									
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	22-2219060
BSH Bundesamt fuer See- schifffahrt und Hydrogra- phie	-	1104
BV Bureau Veritas S.A.	-	30389/C0 BV
DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194
KR Korean Register of Ship- ping	-	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 Ltda.	IEC 60079-0	TÜV 12.1297 X
KTL Korea Testing Laboratory	KOSHA Article 34, IEC60079-0	20-KA4BO-0099X
UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WA GO22UKEX003X_ec
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-1505

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Documentation					
Manual			System Description		
Product Manual 16-channel, 24VDC	V 1.1.0 06.09.2021	pdf 3371.96 KB	750/753 Series I/O-System – General Product Information	pdf 953.35 KB	↓
System Manual Series 750/753		↓	Overview on WAGO-I/O-SYSTEM 750 approvals	pdf 770.48 KB	↓
Bid Text			Instruction Leaflet		
750-1505	19.02.2019	xml 4.25 KB	CCC Ex (Additional information)	26.04.2023	pdf 159.76 KB
750-1505	12.07.2017	doc 27.50 KB			↓



CAD/CAE-Data	
CAD data 2D/3D Models 750-1505 ↓	CAE data EPLAN Data Portal 750-1505 ↓
	WSCAD Universe 750-1505 ↓
	ZUKEN Portal 750-1505 ↓

Device Files	
Device Driver WAGO USB Service Ka- bel 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.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-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.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; 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.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; 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.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; 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	 Item No.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

1.1.2 Marking
1.1.2.1 Group marker carrier
 Item No.: 750-107 Group marker carrier



1.1.2.2 Marker

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
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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 Supply module

1.1.4.1 Supply module



Item No.: 750-612
Power Supply; 0 ... 230 V AC/DC



Item No.: 750-602
Power Supply; 24 VDC



Item No.: 750-601
Power Supply; 24 VDC; fuse holder



Item No.: 750-610
Power Supply; 24 VDC; fuse holder; Diagnostics

1.1.5 System enclosure

1.1.5.1 System enclosure



Item No.: 850-825
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20



Item No.: 850-826
IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



Item No.: 850-827
IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



Item No.: 850-828
IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



Item No.: 850-826/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



Item No.: 850-827/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



Item No.: 850-828/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



Item No.: 850-834
IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20



Item No.: 850-835
IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



Item No.: 850-836
IP65 enclosure; Polyester (RAL 7032); WxHxD (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); WxHxD (200x120x200 mm); without flange plate



Item No.: 850-815/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate



Item No.: 850-816/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate



Item No.: 850-817/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

1.1.6 Tool

1.1.6.1 Operating tool



Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft