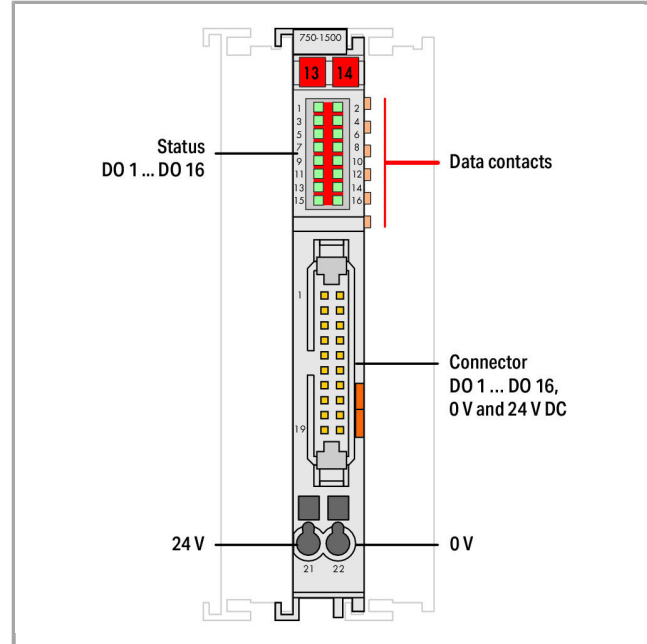
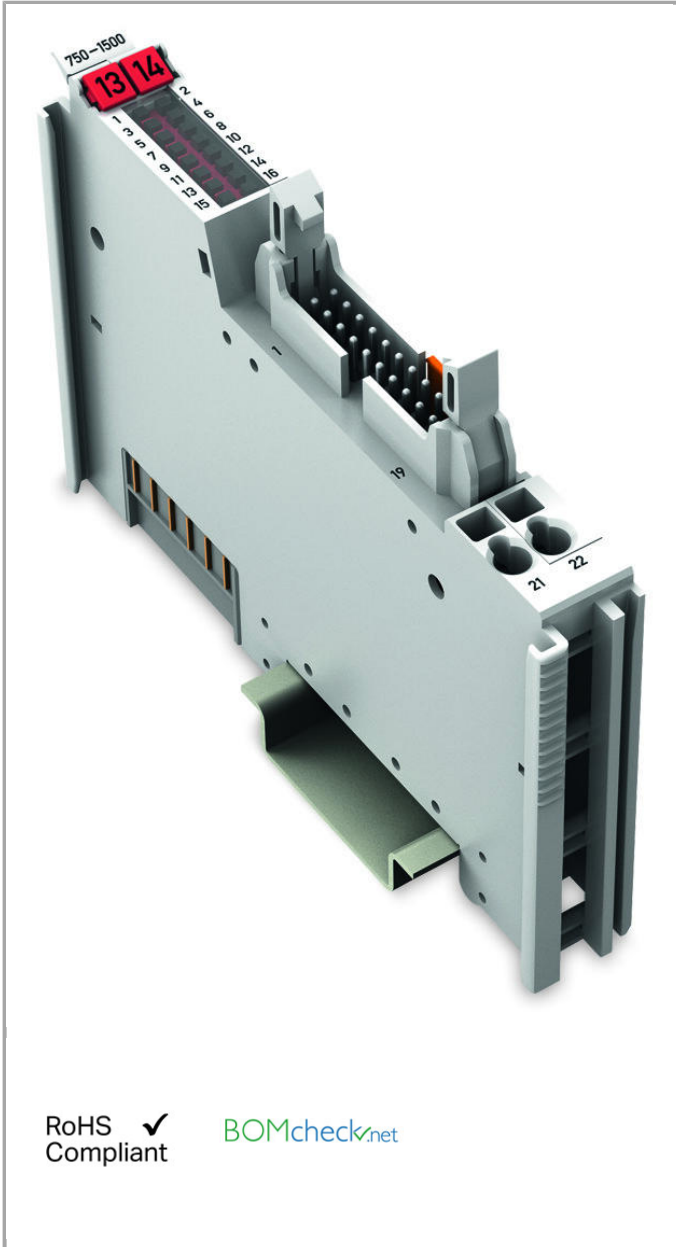


Data sheet | Item number: 750-1500

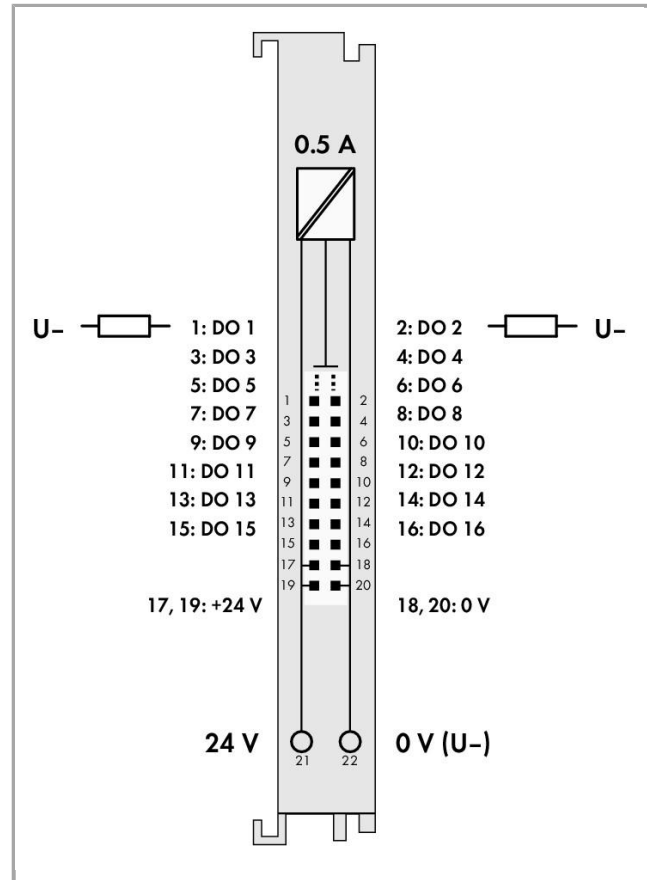
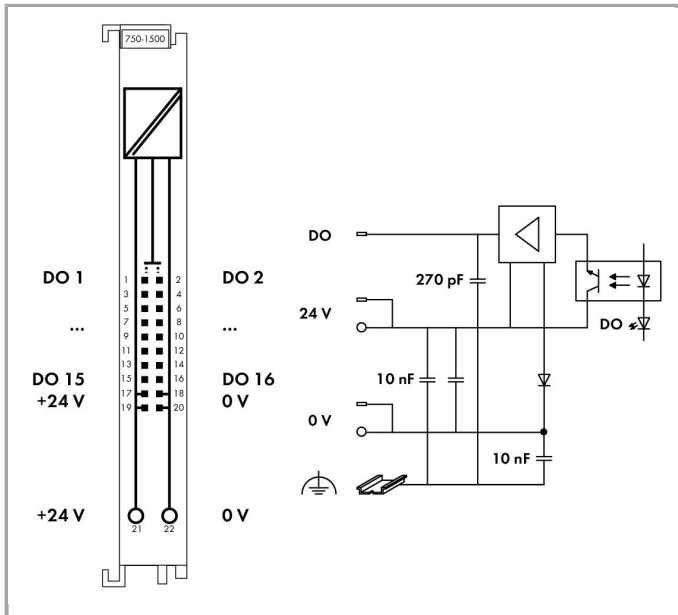
16-channel digital output; 24 VDC; 0.5 A; Ribbon cable

750-1500



RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)



Item description

The digital output module provides sixteen channels in a width of just 12 mm (0.47 inch).

It transmits binary control signals from the automation device to connected actuators (e.g., magnetic valves, contactors, transmitters, relays or other electrical loads).

The module connects electronic modules via a 20-pole flat cable.

The 24V power is fed to the electronic modules via two CAGE CLAMP® terminals.

A green LED indicates the switched status of each channel.

Field and system levels are electrically isolated.

Data

Technical Data

Number of digital outputs	16
Total number of channels (module)	16
Type of signal	Voltage
Actuator connection	16 x (1-conductor)
Output characteristic	high-side switching



Output current per channel	0.5 A
Output current	short-circuit-protected
Switching frequency max.	1 kHz
Type of load	resistive, inductive, lamps
Switching frequency max.	1000 Hz
Max output data width (internal)	16 Bit
System supply voltage	DC 5 V; via data contacts
Current consumption, system supply (5 V)	40 mA
System and sensor supply voltage)
Field supply voltage	DC 24 V (-25 ... +30 %); via wiring level (CAGE CLAMP® connection)
Current consumption, field supply (module with no external load)	29 mA
Isolation field – system	500 VAC (1 min)
Indicators	LED (1-16) green: Status DO 1 ... DO 16

Connection data

Connection technology: In-/Outputs	20 x 20-pin male connector
Connection technology: field supply	2 x CAGE CLAMP®
Connection type (1)	Inputs/Outputs
Connection type (2)	Feldversorgung
Solid conductor (2)	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length (2)	8 ... 9 mm / 0.31 ... 0.35 inch

Geometrical Data

Width	12 mm / 0.472 inch
Height	74.1 mm / 2.917 inch
Height from upper-edge of DIN-35 rail	66.9 mm / 2.634 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	1.013 MJ
Weight	46.529 g
Conformity marking	1

Environmental Requirements

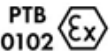


Surrounding air (operating) temperature	0 ... 55 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Protection class	IP20
Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying) or vertical
Relative air humidity (no condensation)	95 %
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, marine applications
EMC emission of interference	acc. to 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 (Remote I/O)
Country of origin	DE
GTIN	4045454898267
Customs Tariff No.	85371098990

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- DOM750

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1821926
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
	GL Germanischer Lloyd	-	11 631 - 10 HH
	KR Korean Register of Shipping	-	HMB05880- AC001
	LR Lloyds Register	-	02/20026 (E5)
	NK Nippon Kaiji Kyokai	-	TA17255M
	PRS Polski Rejestr Statków	-	TE/2236 /880590/19
	RINA RINA Germany GmbH	-	ELE134212XG









UL-Approvals

Certificate



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
















Compatible products


















wiring and connectors
















	Item no.: 706-3057/300-100 System cable; for Schneider TSX; 16 digital inputs or outputs; Length: 1 m (1 MOhm); Conductor cross-section: 0.14 mm ²	706-3057
	Item no.: 706-3057/300-200 System cable; for Schneider TSX; 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm ²	706-3057
	Item no.: 706-3057/300-300 System cable; for Schneider TSX; 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm ²	706-3057
	Item no.: 706-7753/302-100 System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 digital inputs and 8 digital outputs; Length: 1 m (1 MOhm); Conductor cross-section: 0.14 mm ²	706-7753
	Item no.: 706-7753/302-200 System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 digital inputs and 8 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm ²	706-7753
	Item no.: 706-7753/304-100 System cable; for WAGO-I/O-SYSTEM, 750 Series; 2 x 8 analog inputs or outputs; Length: 1 m (1 MOhm); Conductor cross-section: 0.14 mm ²	706-7753
	Item no.: 706-7753/304-200 System cable; for WAGO-I/O-SYSTEM, 750 Series; 2 x 8 analog inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm ²	706-7753
	Item no.: 706-7753/304-300 System cable; for WAGO-I/O-SYSTEM, 750 Series; 2 x 8 analog inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm ²	706-7753



















Marking accessories

	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145

	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	Item no.: 2009-145/000-023 Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	248-501
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501

	Item no.: 750-103 Group marker carrier	750-103
	Item no.: 750-107 Group marker carrier	750-107
shield connection		
	Item no.: 790-108 Shield clamping saddle; 11 mm wide; diameter of compatible conductor	790-108
	Item no.: 790-116 Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm	790-116
	Item no.: 790-124 Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm	790-124
	Item no.: 790-140 Shield clamping saddle; diameter of compatible conductor	790-140
	Item no.: 790-208 Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm	790-208
	Item no.: 790-216 Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm	790-216
	Item no.: 790-220 Shield clamping saddle; 30 mm wide; 6 ... 20 mm	790-220
system box		
	Item no.: 850-804 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip	850-804
	Item no.: 850-804/000-001 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip	850-804
	Item no.: 850-805 IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip	850-805
	Item no.: 850-814/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate	850-814
	Item no.: 850-815/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate	850-815
	Item no.: 850-816/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate	850-816
	Item no.: 850-817/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate	850-817
	Item no.: 850-825 IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20	850-825
	Item no.: 850-826	

	IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip	850-826
	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	850-826
	Item no.: 850-827 IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip	850-827
	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	850-827
	Item no.: 850-828 IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip	850-828
	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	850-828
	Item no.: 850-834 IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20	850-834
	Item no.: 850-835 IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip	850-835
	Item no.: 850-836 IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip	850-836
transfer module		
	Item no.: 704-5003 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 10-pole; 8-channel relay output; 1 changeover contact; 1 x cut-out; Triple-deck PCB terminal blocks; in mounting carrier	704-5003
	Item no.: 704-5004 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; 1 x cut-out; Double-deck PCB terminal blocks; in mounting carrier	704-5004
	Item no.: 704-5013 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 10-pole; 8-channel relay output; 1 changeover contact; 1 x cut-out; Triple-deck PCB terminal blocks; with manual operation; in mounting carrier	704-5013
	Item no.: 704-5014 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; 1 x cut-out; Double-deck PCB terminal blocks; without relay; in mounting carrier	704-5014
	Item no.: 704-5024 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; 1 x cut-out; Triple-deck PCB terminal blocks; in mounting carrier	704-5024
	Item no.: 704-5034 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; 1 x cut-out; PCB terminal blocks; with output fuse; in mounting carrier	704-5034

	Item no.: 704-5044 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; 1 x cut-out; Triple-deck PCB terminal blocks; with manual operation; in mounting carrier	704-5044
	Item no.: 704-5054 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; 1 x cut-out; PCB disconnect terminal blocks; with output fuse; in mounting carrier	704-5054
	Item no.: 704-5064 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 2 changeover contacts; Double-deck PCB terminal blocks; in mounting carrier	704-5064
	Item no.: 704-5074 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; 1 x cut-out; PCB disconnect terminal blocks; with output fuse; in mounting carrier	704-5074
	Item no.: 857-981 Interface adapter; 14-pole; High-side switching input	857-981
	Item no.: 857-982 Interface adapter; 14-pole; High-side switching output	857-982
Carrier rail		
	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	210-112
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715	210-113
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715	210-114
	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	210-115
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	210-118
	Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715	210-196
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	210-197
	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	210-198
	Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715	210-504
	Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715	210-505
	Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715	210-506
	Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715	210-508

Downloads

Documentation

Manual

16-channel, 24VDC Flat cable, high-side switching	V 1.1.0	pdf 2.3 MB	Download
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Bid Text

750-1500 IO-Klemmen	Apr 4, 2012	doc 27.6 kB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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System Description

750/753 Series I/O-System – General Product Information		pdf 1.7 MB	Download
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Design Notes Basic conditions and recommendations for higher operational safety	V 2.0.0	pdf 1.5 MB	Download
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Use in Hazardous Environments Term definition, marking and installation regulations	V 1.0.0	pdf 1.0 MB	Download
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Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 780.2 kB	Download
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CAD/CAE - Smart Data

CAD data

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Device Files

Device Driver

WAGO USB Service Cable Driver / 750 and 857 Series 759-923	6.5.3.0 Sep 10, 2014	zip 4.8 MB	Download
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Product family

750/753 Series I/O-System

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Subject to changes.
