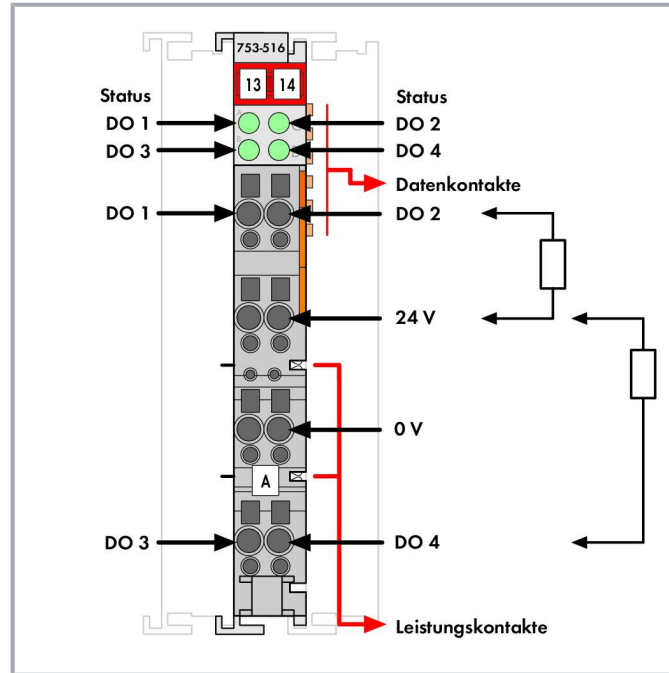
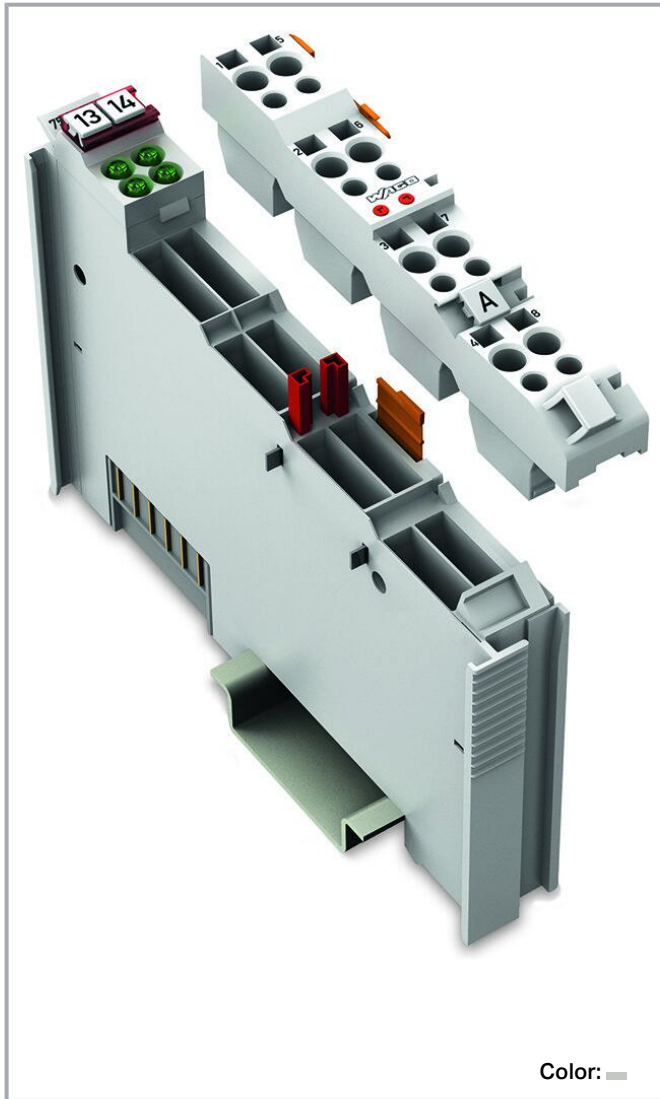


Data sheet | Item number: 753-516

4-channel digital output; 24 VDC; 0.5 A; Low-side switching

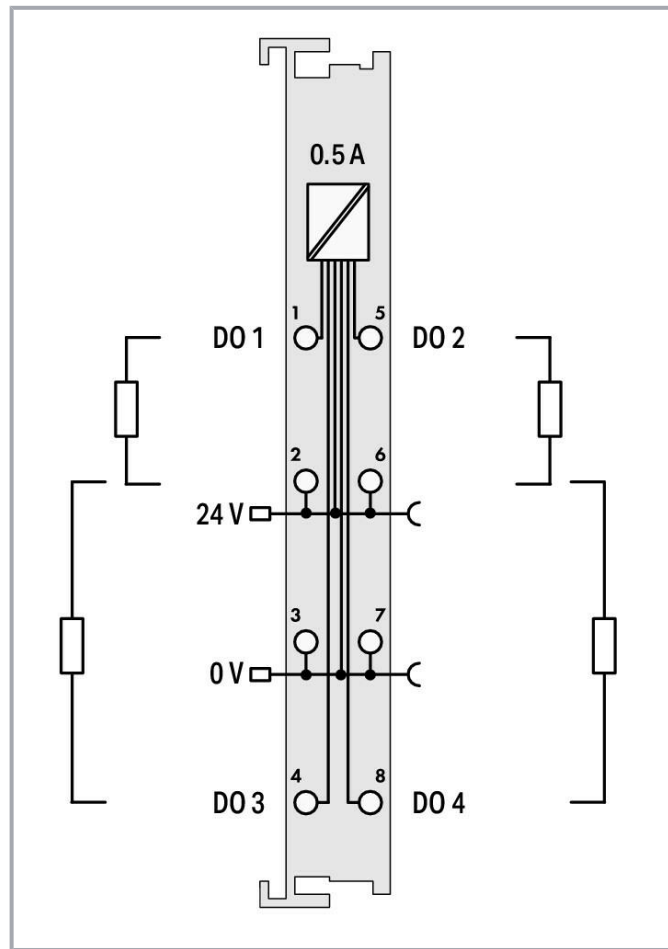
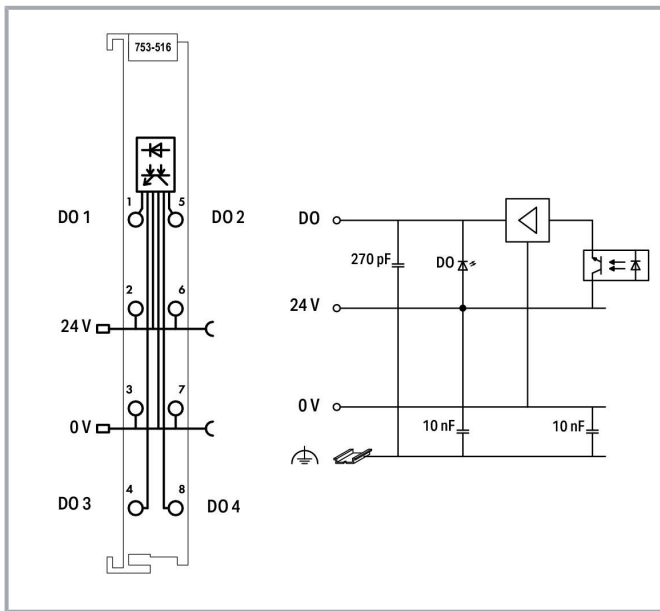
www.wago.com/753-516



Subject to changes. Please also observe the further product documentation!

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Item description

This digital output module transmits control signals from the automation device to the connected actuators.

All outputs are short-circuit-protected.

Field and system levels are electrically isolated.

Data

Notes

Note

Pluggable connectors and coding fingers (753 Series) are not included.

Subject to changes. Please also observe the further product documentation!



Technical data

Number of digital outputs	4
Total number of channels (module)	4
Signal type	Digital
Signal type (voltage)	24 VDC
Actuator connection	2 x (2-wire); A suitable field side connection module (e.g., 750-614) must also be used to connect other actuators.
Output characteristic	Low-side switching
Output current per channel	0.5 A
Output current	short-circuit-protected
Switching frequency (max.)	5 kHz
Load type	Resistive, inductive, lamp load
Inductive load switch-off energy dissipation (max.)	0.55 J
Output data width (internal) max.	4 bits
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	7 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)	30 mA
Isolation	500 V system/field
Indicators	LED (A-D) green: Status DO 1 ... DO 4
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	8 x CAGE CLAMP® (outputs)
Connection type 1	Output
Solid conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data

Width	12 mm / 0.472 inches
Height	100 mm / 3.937 inches
Depth	69.8 mm / 2.748 inches

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Depth from upper-edge of DIN-rail

62.6 mm / 2.465 inches

Mechanical Data

Mounting type

DIN-35 rail

Pluggable connector

Pluggable

Material data

Color

light gray

Housing material

Polycarbonate; polyamide 6.6

Fire load

0.882 MJ

Weight

41.6 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 (standing/lying); vertical

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 H₂S contaminant concentration at a relative humidity 75

10 ppm

%

Permissible SO₂ 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 8.0

EC001599

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ETIM 7.0	EC001599
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454655617
Customs tariff number	85371098990

Environmental Product Compliance

CAS-No.	1317-36-8 7439-92-1
REACH Candidate List Substance	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)	8d906e50-a208-4c22-8817-cceea689eb89
SCIP notification number (Belgium)	c1642a3c-e5bb-418a-b7db-f4122f43d94e
SCIP notification number (Bulgaria)	b960362b-b7b8-4dc9-828e-e14e8477b4f0
SCIP notification number (Czech Republic)	31906448-d94b-4303-8625-2a42a9d3df88
SCIP notification number (Denmark)	d609f25a-f01e-48a3-af65-38f757877198
SCIP notification number (Finland)	48c6fee5-a81e-43de-a59a-d1cbf608a9a2
SCIP notification number (France)	cdb10a8e-72a5-4a76-b035-b0b6b91d369b
SCIP notification number (Germany)	e32e3065-ed2f-4001-a115-db3289eb0106
SCIP notification number (Hungary)	7352d22d-f33c-407e-bdaa-678ea0f7a409
SCIP notification number (Italy)	9aba6974-b1ee-4a8a-ab3b-f9f98b849b92
SCIP notification number (Netherlands)	d53564ee-35bd-480e-a79b-4792d1504028
SCIP notification number (Poland)	735743c9-60f3-4974-879a-f5a4d4e23043
SCIP notification number (Romania)	f5542dc3-cafc-41dc-a88d-5f4eae2062c5
SCIP notification number (Sweden)	ee7a697a-ec90-4f21-8981-060eebae239b

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.

Subject to changes. Please also observe the further product documentation!

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B.00087
/19

	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP- REM-W43- DOM750
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Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	22-2219060
	BSH Bundesamt fuer Seeschifffahrt 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/2236/880590 /19

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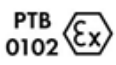


RINA
RINA Germany GmbH

-

ELE343521XG001

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	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)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C-DE.AM02.B.00163 /19 (2Ex nA IIC T4 Gc X)
	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	BR-Ex_TÜV 12.1297 X
	UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WAGO22UKEX003X_ec
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

Required accessories

Pluggable connector

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Male connector/plug



Item no.: 753-110
Plug

www.wago.com/753-110

Optional accessories

Pluggable connector

Coding



Item no.: 753-150
753 Series coding elements

www.wago.com/753-150

Supply module

Supply module



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

www.wago.com/750-601

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

www.wago.com/750-610

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

www.wago.com/750-602

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

www.wago.com/750-612

Item no.: 753-612
Power Supply; 0 ... 230 V AC/DC

www.wago.com/753-612

Item no.: 753-602
Power Supply; 24 VDC

www.wago.com/753-602

Shield termination

Shield clamping saddles



Item no.: 790-116
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm

www.wago.com/790-116

Item no.: 790-124
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm

www.wago.com/790-124

Item no.: 790-108
Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm

www.wago.com/790-108

Item no.: 790-140
Shield clamping saddle; diameter of compatible conductor

www.wago.com/790-140

Item no.: 790-216
Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm

www.wago.com/790-216

Item no.: 790-220
Shield clamping saddle; 30 mm wide; 6 ... 20 mm

www.wago.com/790-220

Subject to changes. Please also observe the further product documentation!

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**Item no.: 790-208**

Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm

www.wago.com/790-208**Potential distribution**

Potential distribution module

**Item no.: 750-614**

Potential Distribution

www.wago.com/750-614**Marking accessories**

Marker carrier

**Item no.: 750-103**

Group marker carrier

www.wago.com/750-103

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

www.wago.com/2009-145/000-006**Item no.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-145**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

www.wago.com/2009-145/000-002**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

www.wago.com/2009-145/000-007**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

www.wago.com/2009-145/000-005**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

www.wago.com/2009-145/000-012**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

www.wago.com/2009-145/000-023**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

www.wago.com/2009-145/000-024**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

www.wago.com/248-501/000-006

Subject to changes. Please also observe the further product documentation!

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**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

www.wago.com/248-501/000-007**Item no.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

www.wago.com/248-501/000-002**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/248-501/000-012**Item no.: 248-501**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/248-501**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

www.wago.com/248-501/000-017**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

www.wago.com/248-501/000-005**Item no.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/248-501/000-024**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/248-501/000-023**Item no.: 750-100**

Marker card; as a DIN A4 sheet; plain

www.wago.com/750-100

Group marker carrier

**Item no.: 750-106**

Group marker carrier

www.wago.com/750-106

System housing

System enclosure

**Item no.: 850-814/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate

www.wago.com/850-814/002-000

Subject to changes. Please also observe the further product documentation!

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**Item no.: 850-815/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

www.wago.com/850-815/002-000**Item no.: 850-816/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate

www.wago.com/850-816/002-000**Item no.: 850-817/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

www.wago.com/850-817/002-000**Item no.: 850-825**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

www.wago.com/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

www.wago.com/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

www.wago.com/850-827**Item no.: 850-827/002-000**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-827/002-000**Item no.: 850-826/002-000**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-826/002-000**Item no.: 850-828/002-000**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

www.wago.com/850-828/002-000**Item no.: 850-828**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

www.wago.com/850-828**Item no.: 850-834**

IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

www.wago.com/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

www.wago.com/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

www.wago.com/850-836**Carrier rail**

Mounting accessories

Subject to changes. Please also observe the further product documentation!

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**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

www.wago.com/210-197**Item no.: 210-198**

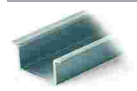
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

www.wago.com/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; silver-colored

www.wago.com/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; silver-colored

www.wago.com/210-505**Item no.: 210-506**

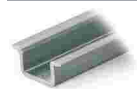
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

www.wago.com/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; silver-colored

www.wago.com/210-508**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

www.wago.com/210-113**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

www.wago.com/210-118**Item no.: 210-112**

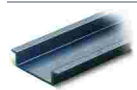
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

www.wago.com/210-112**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

www.wago.com/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; silver-colored

www.wago.com/210-115**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

www.wago.com/210-196**Downloads****Documentation****Manual**System Manual WAGO I/O System 750/753
Decentralized Automation TechnologyV 3.3.3
2023 Aug 29pdf
8.7 MB[Download](#)

Product Manual 4-channel, 24VDC, 0.5A, TYPE N

V 1.0.4

pdf

[Download](#)

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short-circuit protected, high-side switching	384.0 kB
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System Manual Series 750/753	URL	Download
Online HTML		

Bid Text

753-516	2019 Feb 19	xml	Download
X81 - Datei		4.6 kB	

753-516	2017 Jul 12	doc	Download
doc - Datei		29.2 kB	

Instruction Leaflet

CCC Ex (Additional information)	2023 Apr 26	pdf	Download
WAGO-I/O-SYSTEM *750-****/*		163.6 kB	

System Description

Overview on WAGO-I/O-SYSTEM 750 approvals	pdf	Download
	223.5 kB	

750/753 Series I/O-System – General Product Information	pdf	Download
	976.2 kB	

Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 Aug 18	2.2 MB	

CAD/CAE-Data

CAD data

2D/3D Models 753-516	URL	Download
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CAE data

WSCAD Universe 753-516	URL	Download
------------------------	-----	----------

ZUKEN Portal 753-516	URL	Download
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EPLAN Data Portal 753-516	URL	Download
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Subject to changes. Please also observe the further product documentation!



Asset Administration Shell

Asset Administration Shell 753-516	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 753-516	URL	Download
4-channel digital output; 24 VDC; 0.5 A; Low-side switching		

Installation Notes

Product family

WAGO I/O System 750/753
[Show all products from the family](#)

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