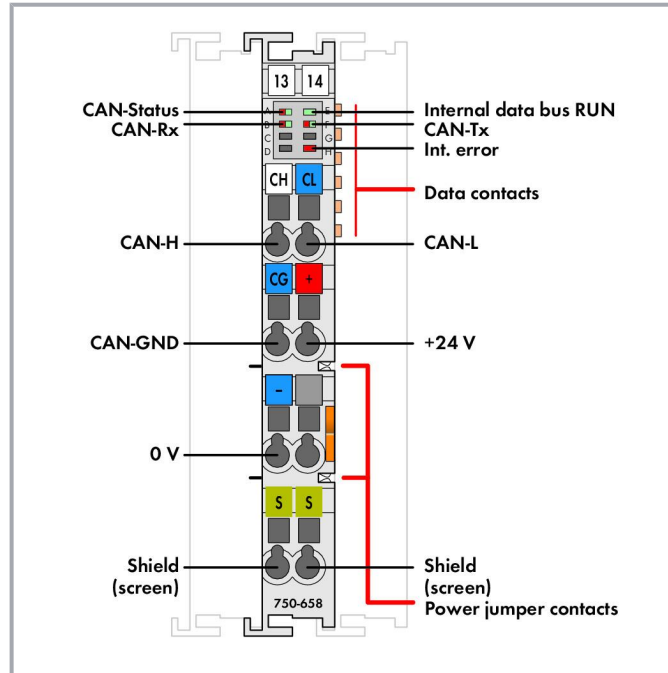
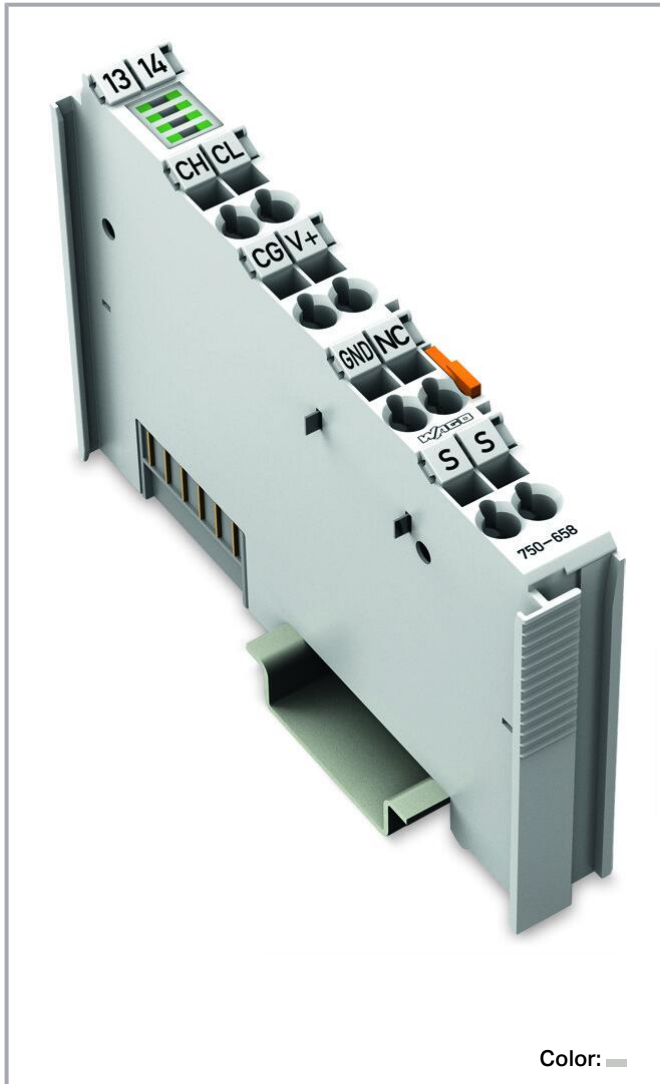
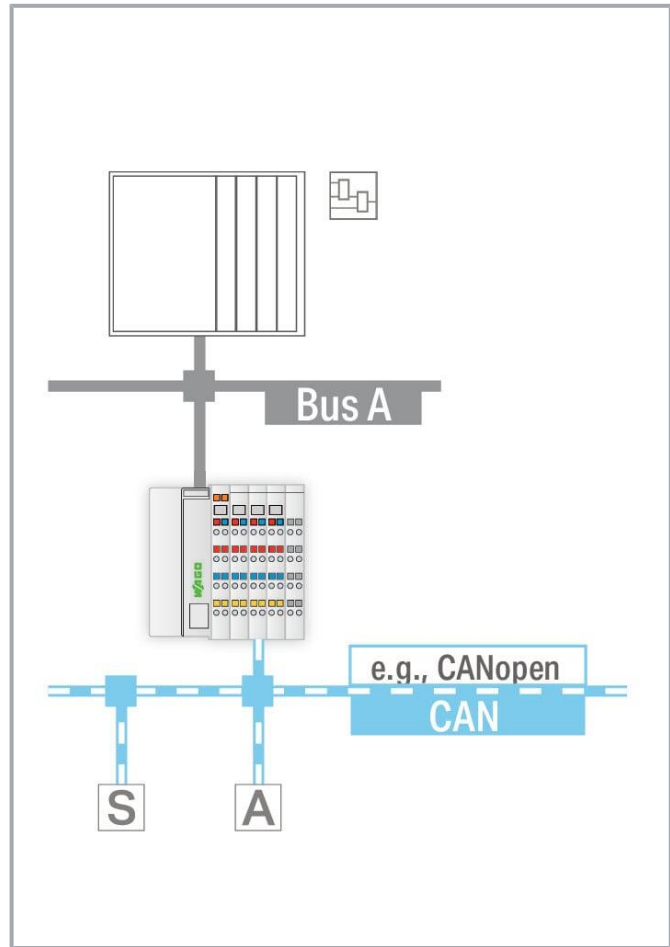
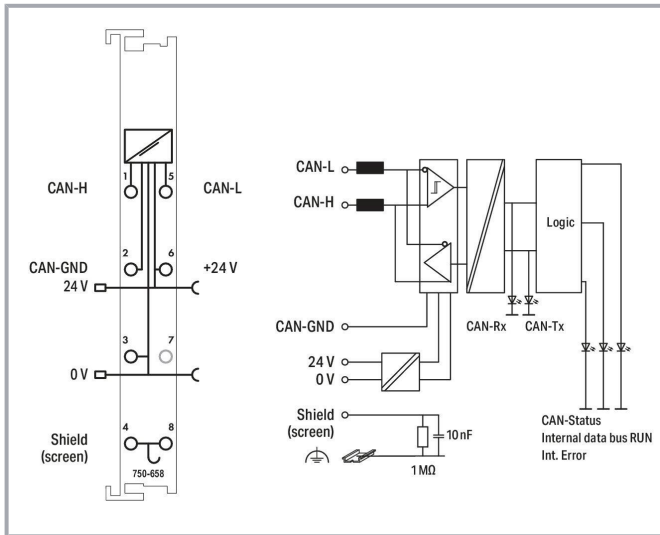




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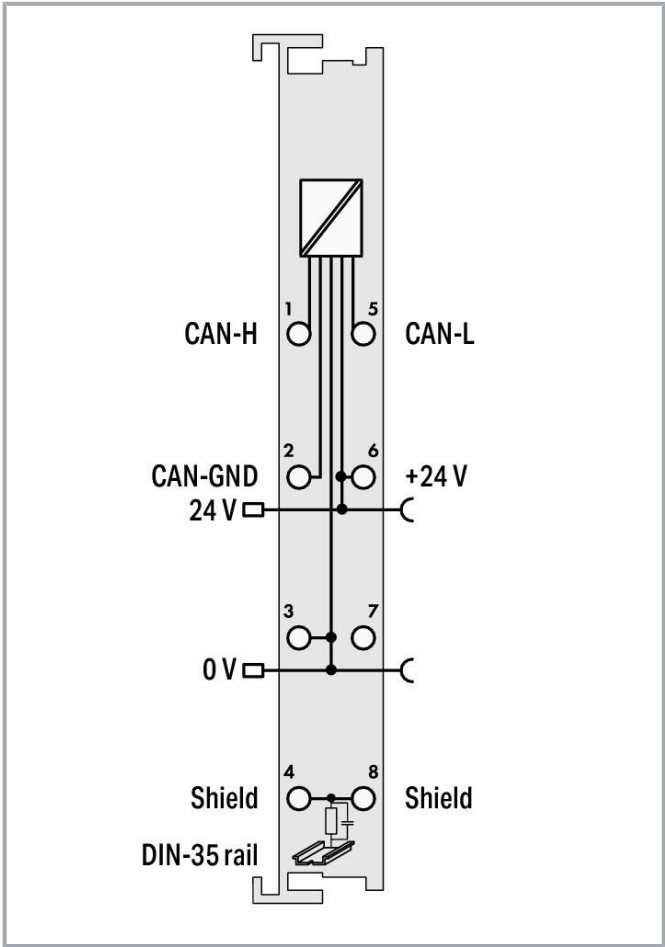
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Item description

The CAN Gateway supports CAN Layer 2, while meeting CAN specifications 2.0A (11-bit identifier) and 2.0B (29-bit identifier). Function blocks allow the gateway to read and write higher-protocol telegrams (e.g., CANopen).

The gateway adjusts itself to baud rates between 10 kbit/s to 1 Mbit/s via automatic bit-rate detection (Auto Baud Rate). It is also possible to set a fixed transmission rate. Six configurable filters for input telegrams allow CAN messages to be filtered via the CAN identifiers.

Three following operation modes are available: Sniffer mode provides a detailed CAN bus analysis without interactions. In transparent mode, the gateway works as an active CAN device that can send and receive any type of CAN telegrams. Mapped mode enables CAN telegrams to be generated directly from the process image. It also allows select process values to be copied from received telegrams into the input process image. A CAN telegram may be sent cyclically, manually or event-triggered (change of process value).

Data
Technical data

Device-specific	Operating modes: Sniffer mode, transparent mode, mapped mode
-----------------	--

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Number of inputs	1 (CAN interface)
Transmission modes	10 kbit/s; 20 kbit/s; 50 kbit/s; 125 kbit/s; 250 kbit/s; 500 kbit/s; 800 kbit/s (auto-baudrate); Data formats: per 2.0 A standard (11-bit ID); per 2.0 B extended (29-bit ID)
Data width	Configurable to 8, 12, 16, 20, 24, 32, 40, 48 bytes; incl. control/status byte
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	50 mA
Supply voltage (field)	24 VDC; 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)	12 mA
Isolation	500 V system/supply
Indicators	LED (A, B, F) red/green: CAN status, CAN-Rx, CAN-Tx; LED (E) green: local data bus RUN; LED (H) red: Int. Error
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®
Connection type 1	Inputs/Outputs
Solid conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 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	67.8 mm / 2.669 inches
Depth from upper-edge of DIN-rail	60.6 mm / 2.386 inches

Mechanical Data

Mounting type	DIN-35 rail
---------------	-------------

Material data

Color	light gray
Housing material	Polycarbonate; polyamide 6.6

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Fire load	0.967 MJ
Weight	51 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, EN 61131-2, marine applications
EMC emission of interference	per EN 61000-6-3, EN 61131-2, 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	27-24-26-05
eCl@ss 9.0	27-24-26-05
ETIM 8.0	EC001601
ETIM 7.0	EC001601
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821642084
Customs tariff number	8538909990

Environmental Product Compliance

CAS-No. 11120-22-2

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1303-86-2

1317-36-8

7439-92-1

REACH Candidate List Substance	Diboron trioxide Lead Lead monoxide Lead silicate
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	9ac097f3-f099-4554-ae6b-f0409701ad66
SCIP notification number (Belgium)	9f465926-b375-4b27-ba5c-3f40258d0c0c
SCIP notification number (Bulgaria)	fbe39b20-7ad4-446a-875e-026b4d9fe1a1
SCIP notification number (Czech Republic)	13b122e5-8101-41c4-9227-68540c9d8771
SCIP notification number (Denmark)	37e5b7df-bb0b-4f5f-bf59-4b84b1a10249
SCIP notification number (Finland)	c59e0042-1a9e-440b-ba5a-05abc5bf8a48
SCIP notification number (France)	a005d60a-17b2-43e6-a574-2e3a234979a9
SCIP notification number (Germany)	68a55f95-447c-4086-b607-fe8d0b8fd018
SCIP notification number (Hungary)	587e7d7c-33c9-45a9-8156-469d3e3bc98d
SCIP notification number (Italy)	7d603274-d8f3-4d90-9bf3-6571dc568af1
SCIP notification number (Netherlands)	7c093ea1-3a99-44fb-b8be-63b96b1b832e
SCIP notification number (Poland)	bf6b3a80-908d-431e-9845-02dc1cbce2a7
SCIP notification number (Romania)	5a86cf21-363e-42de-a5b4-bafffc6228b5
SCIP notification number (Sweden)	80ac087c-c12b-4875-b4d5-90fbca43cb61

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087 /19
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-MSM750
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

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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
	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
	RINA RINA Germany GmbH	-	ELE343521XG001

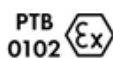
Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	ATEX	EN 60079-0	TUEV14ATEX148929X (II 3 G

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TUEV Nord Cert GmbH

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 e 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

Optional accessories

Marking accessories

Marker carrier

Item no.: 750-103
Group marker carrierwww.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; bluewww.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

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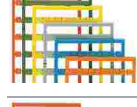
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	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	www.wago.com/2009-145/000-002
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; 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
	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

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



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

Group marker carrier



Item no.: 750-107
Group marker carrier

www.wago.com/750-107

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

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!

**Item no.: 790-208**

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

www.wago.com/790-208**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**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 7035); 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 7035); 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 7035); 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**

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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



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

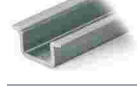
www.wago.com/210-508



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

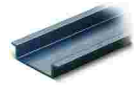
www.wago.com/210-114



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

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Downloads

Documentation

Manual

System Manual WAGO I/O System 750/753 Decentralized Automation Technology	V 3.3.3 2023 Aug 29	pdf 8.7 MB	Download
Product Manual CAN Gateway	V 1.2.2 2021 Aug 6	pdf 13.0 MB	Download
System Manual Series 750/753 Online HTML		URL	Download

Bid Text

750-658 X81 - Datei	2019 Feb 19	xml 5.0 kB	Download
750-658 doc - Datei	2017 Oct 16	doc 28.2 kB	Download

Instruction Leaflet

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

Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 223.5 kB	Download
750/753 Series I/O-System – General Product Information		pdf 976.2 kB	Download

Additional Information

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

Application Note CoDeSys 2.3

CAN gateway module 750-658 with CoDeSys library WagoLib_CAN_Gateway_02 (a500680)	1.0.1 2014 Jan 14	zip 3.6 MB	Download
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Subject to changes. Please also observe the further product documentation!



This application note presents how to use WAGO 750-658 module in the different modes.

Libraries

Library

Handling CAN module 750-658 with CoDeSys V2.3	V2.0.2	zip	Download
Function blocks to handle the CAN module 750-658 with CoDeSys V2.3.	2015 Nov 25	637.7 kB	

Runtime Software

Firmware

0750-0658, CAN-Gateway	V 07	zip	Download
WAGO_FW0750-0658_V010189_IX07_W	2022 Jun 7	401.3 kB	

CAD/CAE-Data

CAE data

EPLAN Data Portal 750-658	URL	Download
WSCAD Universe 750-658	URL	Download
ZUKEN Portal 750-658	URL	Download

CAD data

2D/3D Models 750-658	URL	Download
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Asset Administration Shell

Asset Administration Shell 750-658	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-658	URL	Download
CAN Gateway		

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Installation Notes

Product family

WAGO I/O System 750/753

[Show all products from the family](#)

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