Data Sheet | Item Number: 750-307

Fieldbus Coupler CANopen

https://www.wago.com/750-307

This fieldbus coupler connects the WAGO I/O System as a slave to the CANopen fieldbus. Data is transmitted via PDOs and SDOs.

The fieldbus coupler detects all connected I/O modules and creates a local process image. Analog and specialty module data is sent via words and/or bytes, digital data is sent bit by bit.

The local process image is divided into two data zones containing the data received and the data to be sent. The process data can be sent via the CANopen bus to a control system for further processing. The process output data is sent via the CANopen bus.

The data of the analog modules is stored in the PDOs according to the order in which the modules are connected to the coupler. The bits from the digital modules are sent byte by byte and also mapped in the PDOs. If the amount of digital I/O information exceeds eight bits, the coupler automatically starts with a new byte.

All entries of the object directory can be mapped as required in the five Rx PDOs and five Tx PDOs.

The complete input and output process image can be transmitted using SDOs.

Technical data

Other CANopen features	NMT slave Minimum boot-up Variable PDO mapping Emergency message Life guarding
COB ID distribution	SDO, standard
Node ID distribution	DIP switch
Device profile	DS-401 V1.4

Material data

Color	light gray
Fire load	5.191 MJ
Weight	200 g

Commercial data

Product Group	15 (I/O System)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454672263
Customs tariff number	85176200000
End of Sale	2022-08-05
End of Production	2022-08-06
End of Delivery	2022-08-07
End of Service and Repair	2024-08-07

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Product Classification

UNSPSC	32151705
eCl@ss 10.0	27-24-26-07
eCl@ss 9.0	27-24-26-07
ETIM 9.0	EC001603
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	12060-00-3 1303-86-2 1317-36-8 25550-51-0 7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 4-Methyl-1,2-cyclohexanedicarboxylic anhydride Diboron trioxide Lead Lead monoxide Lead titanium oxide (PbTiO3)
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II 7c
SCIP notification number (Austria)	1a580f3f-6df8-4085-93ea-f6e030f8d10a
SCIP notification number (Belgium)	9e568216-17eb-4364-b61f-8d736d3c96e0
SCIP notification number (Bulgaria)	fdea447e-39b7-4f6c-b750-03a706439754
SCIP notification number (Czech Republic)	d2fcdd4b-514a-4850-be93-bd0edabb3ac4
SCIP notification number (Denmark)	70cf68de-fdd2-4048-9e61-61a7ecbd9dea
SCIP notification number (Finland)	3edf1723-652c-432d-a983-eaafb171234b
SCIP notification number (France)	3f2a0481-5cc0-4644-af0e-088ff4d18d14
SCIP notification number (Germany)	e8e3eb2b-b3e9-4adf-b28e-da8568732135
SCIP notification number (Hungary)	c1cfacff-b6eb-4aad-b660-bc099829e896
SCIP notification number (Italy)	cebdd2b6-f9b3-4030-9e3d-7db1af5972e7
SCIP notification number (Netherlands)	2933f8e4-17db-4d47-9807-8433dd289388
SCIP notification number (Poland)	64e331b2-7258-444f-b4f0-2fbc7256e1fe
SCIP notification number (Romania)	75317abc-8061-4241-87f0-d88528677bbf
SCIP notification number (Sweden)	76f15b07-1962-436e-9b27-1aeba188c6f9

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-FBC750

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	-	-

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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
UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WA GO22UKEX003X_ec

Downloads

Documentation

Manual

Product Manual CANopen Fieldbus Coupler	V 1.0.1	pdf 1863.74 KB	
System Manual Series 750/753			

Instruction Leaflet

CCC Ex (Additional information)	26.04.2023	pdf 159.76 KB	

CAD/CAE-Data

CAD data

2D/3D Models 750-307

CAE data

EPLAN Data Portal 750-307

WSCAD Universe 750-307

ZUKEN Portal 750-307

Runtime Software

Firmware

0750-0307, Feldbuskoppler CANopen	V 17 18.10.2021	zip 499.78 KB	

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Device Files

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

Libraries

Device Description File			
750-914; EDS file for CANopen / 750, 752 and 767 Series	XT 12.03.2021	zip 1728.38 KB	