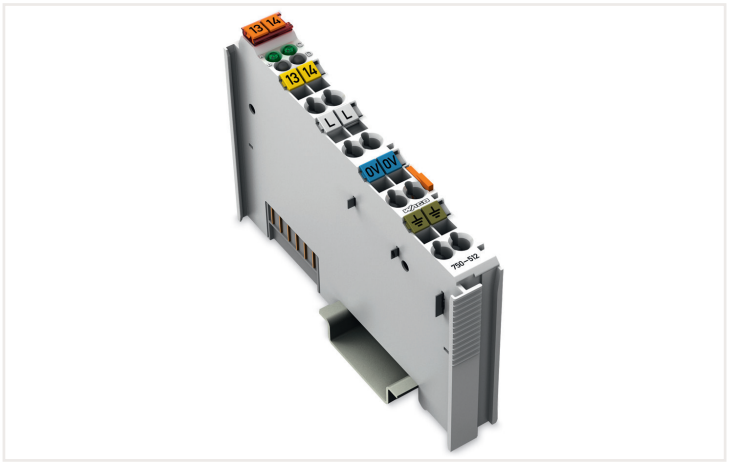
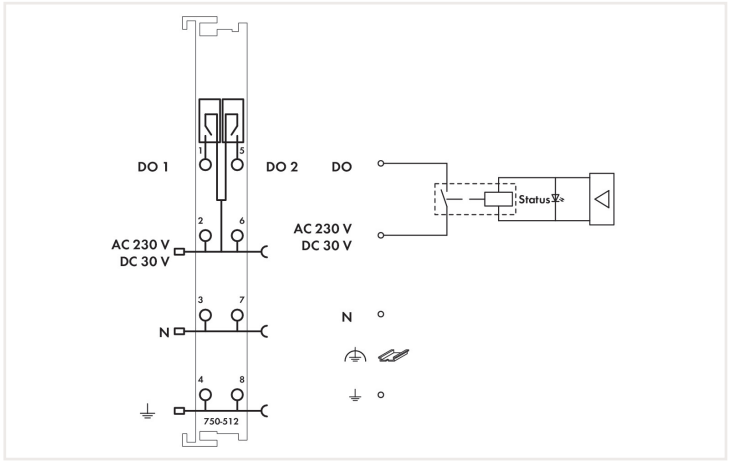
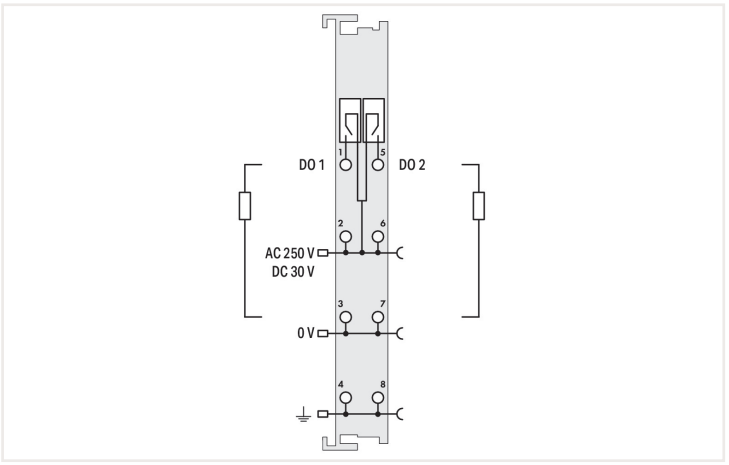
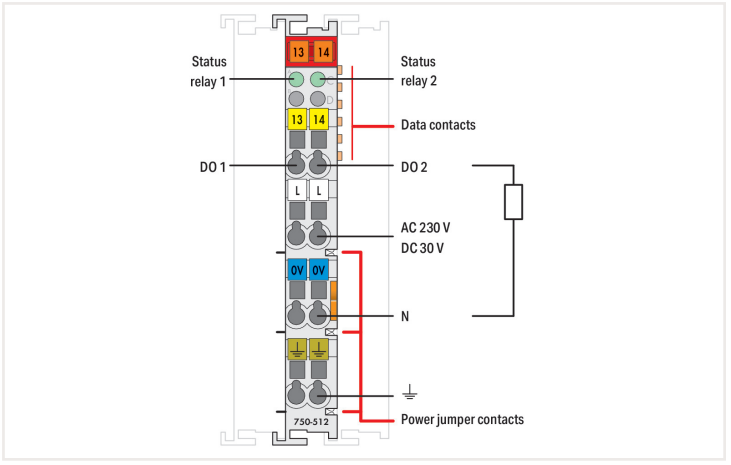
Data sheet | Item number: 750-512

2-channel relay output; AC 250 V; 2.0 A; 2 make contact









This digital output module transmits control signals from the automation device to the connected actuators.
The internal system voltage triggers the relay.
Note that the power jumper contacts supply both “N” (common point) and switched output voltages (this may be DC or AC).
The state of the relay is indicated by a LED.**Notice:**
An additional supply module must be added for 250 VAC/30 VDC supply!

Technical data	
Number of digital outputs	2
Total number of channels (module)	2
Actuator connection	2 x (2-wire, 3-wire)
Output circuit design	2 make contacts Relay
Output characteristic	non-floating
Switching frequency (max.)	0.5 Hz; Nominal load
Load type of switching frequency	Nominal load
Switching voltage (max.)	250 VAC, 30 VDC
Switching current (max.)	2 A
Switching voltage (min.)	5 V
Switching current (min.)	10 mA
Switching power	500 VA / 60 W (purely resistive load); cos φ max. = 0.4; L/R max. = 7 ms
Pull-in time (max.)	10 ms
Drop-out time (max.)	10 ms
Bounce time (typ.)	1.2 ms
Electrical switching operations (min.) (at max. resistive load)	300 x 10^3 switching operations

Technical data

Mechanical switching operations (min.) (at max. resistive load)	20 x 10^6 switching operations
Output data width (internal) max.	2 bits
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	100 mA
Supply voltage (field)	250 VAC; via power jumper contacts (power supply via blade contact; transmission via spring contact)
Isolation	1500 V (system/field)
Indicators	LED (A, C) green: Status relay 1, relay 2
Number of incoming power jumper contacts	3
Number of outgoing power jumper contacts	3
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	69.8 mm / 2.748 inches
Depth from upper-edge of DIN-rail	62.6 mm / 2.465 inches

Mechanical data

Mounting type	DIN-35 rail
Pluggable connector	fixed

Material data

Color	light gray
Contact material	Ag alloy
Housing material	Polycarbonate; polyamide 6.6
Fire load	1.353 MJ
Weight	51.5 g
Conformity marking	CE

Continued on next page

Environmental requirements

Ambient temperature (operation)	0 … +55 °C
Surrounding air temperature (storage)	-25 … +85 °C
Protection type	IP20
Pollution degree (5)	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 H_2S 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)
eCl@ss 10.0	27-24-26-04
eCl@ss 9.0	27-24-26-04
ETIM 8.0	EC001599
ETIM 7.0	EC001599
PU (SPU)	1 Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4045454428938
Customs tariff number VKOrg Germany	85371098990

Approvals and certificates

Ex-Approvals

Approval	Standard	Certificate name
ATEX TUEV Nord Cert GmbH	EN 60079-0	
CCCEx CQST/CNEx	CNCA-C23-01	2020312310000215 (Ex nA nC IIC T4 Gc)
EAC Brjansker Zertifizierungs-stelle	TP TC 012/2011	EAC RU C-DE.AM02. B.00163/19 (2Ex nA nC 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
UL Underwriters Laboratories Inc. (HAZARDOUS LOCA-TIONS)	UL 121201	E198726 Sec.1

Country specific Approvals

Approval	Standard	Certificate name
EAC Brjansker Zertifizierungs-stelle	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-DOM750

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Ship Approvals

Approval	Standard	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 Germany GmbH	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

UL-Approvals

Approval	Standard	Certificate name
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-512	

Documentation

Manual

System Manual WAGO I/O System 750 / 753	V 3.1.0 11.05.2022	pdf 8495.90 KB	
System Manual Series 750/753			
2-channel, 230VAC, 30VDC, 2A AC/DC	V 1.2.1	pdf 1948.68 KB	

System Description

750/753 Series I/O-System – General Product Information		pdf 953.35 KB	
Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 770.48 KB	
Use in Hazardous Environments	V 1.0.0	pdf 1007.06 KB	

Continued on next page

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 259.56 KB

Bid Text

750-512	12.07.2017	doc 30.00 KB
750-512	19.02.2019	xml 4.99 KB
ausschreiben.de 750-512		

CAD/CAE-Data

CAD data

2D/3D Models 750-512

CAE data

EPLAN Data Portal
750-512

WSCAD Universe
750-512

ZUKEN Portal 750-512

Device Files

Device Driver

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