

Data sheet | Item number: 763-1116

16-channel digital input; 24 VDC

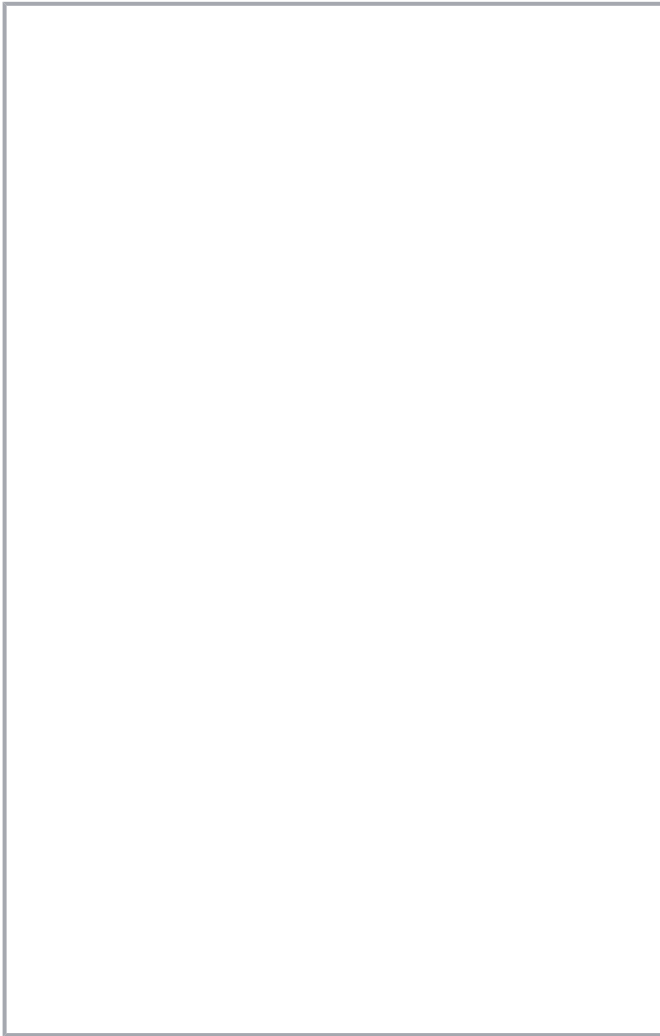
www.wago.com/763-1116



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

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Item description

This three-part digital input module is a 1-wire device featuring 16 channels in a width of just 12 mm (0.47 inch). The module consists of a base module, an electronic module and a pluggable connector. It receives binary control signals from digital field devices (e.g., sensors, encoders, switches or proximity sensors). The module features Push-in CAGE CLAMP® connections, enabling solid conductors to be connected by simply pushing them in. A green LED indicates the signal state of each channel. Field and system levels are electrically isolated.

Data

Technical data

Device-specific	Synchronization mode: time-synchronized, freewheeling
Number of digital inputs	16

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Total number of channels (module)	16
Signal type	Voltage
Signal type (voltage)	24 VDC
Sensor connection	16 x (1-wire)
Input characteristic	High-side switching
Input characteristic	Type 3, per IEC 61131-2
Input filter	3 ms
Input current at specific input voltage	2.4 mA at 24 V
Delay time T _{on} from 0 to 1	300 µs
Delay time T _{off} from 1 to 0	300 µs
Data width	16-bit channel status
Supply voltage (field)	24 VSELV DC (-25 ... +30 %); UF
Current consumption, field supply (module with no external load)	5 mA
Power loss P _I	1.0 W
Isolation, Field/System	min. 1000 VDC (1 min); per EN/UL 61010-2-201
Dielectric strength	Up to ±35 V, at the digital input
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
Current carrying capacity (power jumper contacts)	12 A
Marking	CI I, Div. 2, Group A, B, C, D, T4

Connection data

Connection type 1	Inputs/outputs
Solid conductor	0.25 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.25 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Note (conductor cross-section)	Insulated ferrule: 0.75 mm ² (max.)

Physical data

Width	12 mm / 0.472 inches
Height	105 mm / 4.134 inches
Depth	75 mm / 2.953 inches

Mechanical Data

Mounting type	DIN-35 rail
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Material Data

Fire load	0.062 MJ
Weight	71 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-25 ... +60 °C (horizontal, typical control cabinet installation; -25 ... +50 °C, other mounting positions)
Ambient temperature (storage)	-40 ... +85 °C
Protection type	IP20
Pollution degree	2
Operating altitude	without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 3000 m (0.5 K/100 m)
Mounting position	horizontal, typical for control cabinets (nominal mounting position); horizontal (floor mounting position); standing (vertical at bottom)
Relative humidity (without condensation)	95 %
EMC immunity to interference	per EN 61000-6-1, -2
EMC emission of interference	per EN 61000-6-3, -4

Commercial data

Recupel Type	
PU (SPU)	1 pcs
Country of origin	DE
GTIN	4055143975650
Customs tariff number	85389099990

Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8 693-98-1 7439-92-1
REACH Candidate List Substance	2-methylimidazole Diboron trioxide Lead Lead monoxide Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	7(a) 7(c)-I

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7(c)-II

SCIP notification number (Austria)	4fad19d7-8a0a-443e-a1b7-0523367f2b78
SCIP notification number (Belgium)	0fde36fb-d033-4e69-bc7e-2a436944903c
SCIP notification number (Bulgaria)	b4e23795-647d-4fa4-9a2a-132f4031fedc
SCIP notification number (Czech Republic)	45029364-3654-47c8-9fb9-f6f41c5d884b
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SCIP notification number (Romania)	78f37446-9032-43ec-9883-57e27a880096
SCIP notification number (Sweden)	8f79d045-5e7c-413a-91bc-f08410cc725d

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

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
	BV Bureau Veritas S.A.	Rules for class. of Steel Ships	66432/A0
	DNV DNV Germany GmbH	DNV-CG-0339,Aug.2021	TAA000031M

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
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UL
Underwriters Laboratories Inc. (HAZARDOUS
LOCATIONS)

UL 121201

E198726

Installation Notes

Product family

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

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