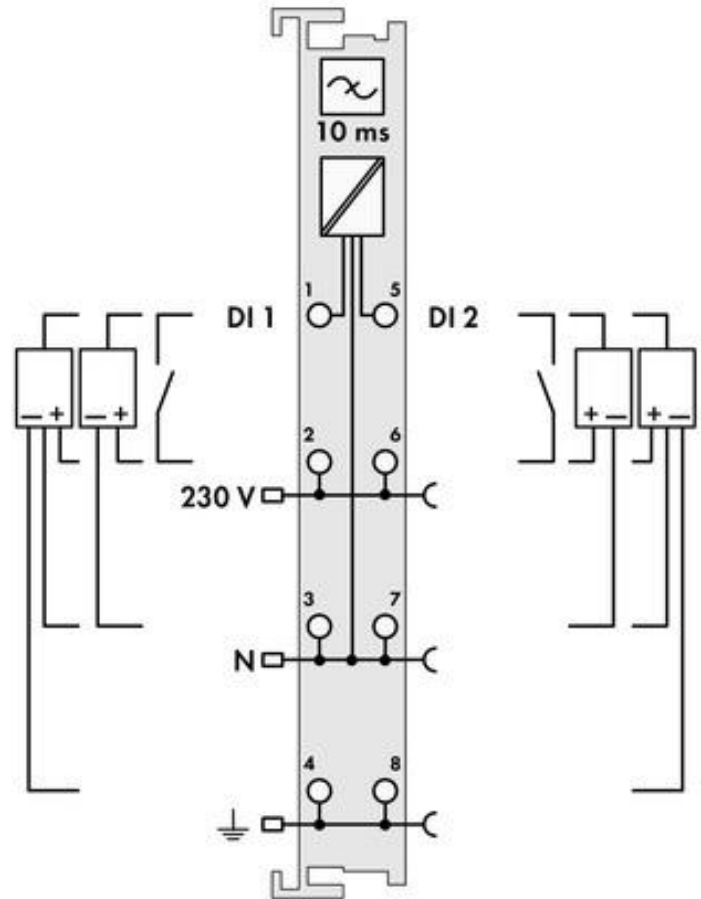




Item description

This digital input module receives control signals from digital field devices (e.g., sensors).

Field and system levels are electrically isolated.

Notice: An additional supply module must be added for operation with 230 VAC!



Data

Technical Data

Number of digital inputs	2
Total number of channels (module)	2
Type of signal	Voltage
Type of signal voltage	AC 230 V
Sensor supply voltage	230 V AC
Sensor connection	2 x (2-conductor, 3-conductor, 4-conductor)
Input characteristic	high-side switching
Input filter (digital)	10 ms
Input current per channel for signal (1) typ.	6.5 mA
Voltage range for signal (0)	0 ... 40 VAC
Voltage range for signal (1)	164 VAC ... $1.1 \times U_N$
Signal frequency min.	45 Hz
Signal frequency max.	65 Hz
Max. input data width (internal)	2 Bit
System supply voltage	DC 5 V; via data contacts
Current consumption, system supply	2 mA
Field supply voltage	AC 230 V (-15 ... 20 %); über Leistungskontakte; zur Weiterleitung getunnelt
Isolation field – system	1500 VAC (1 min)
Indicators	LED (A, C) green: Status DI 1, DI 2
Number of incoming power jumper contacts	3
Number of outgoing power jumper contacts	3
Current carrying capacity of the power jumper contacts	10 A

Connection data

Number of connections: Inputs/outputs	8
Connection technology: inputs/outputs	8 x CAGE CLAMP®
Connection technology: inputs/outputs	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 Inch



Geometrical Data

Width	12 mm / 0.472 Inch
Height	69.8 mm / 2.748 Inch
Height from upper-edge of DIN-35 rail	62.6 mm / 2.465 Inch
Depth	100 mm / 3.937 Inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Fire load	1.159 MJ
Weight	47.793 g
Conformity marking	CE

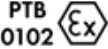
Environmental Requirements

Surrounding air (operating) temperature	0 ... 55 °C
Surrounding air (storage) temperature	-25 ... 85 °C
Degree of protection	IP20
Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); max.: 5000 m
Mounting position	any
Relative air humidity (no condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-4, 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**

Packaging type	BOX
Country of origin	DE
GTIN	4045454392703
Customs Tariff No.	85389099990
Product Group	15 (Remote I/O)

Ex-Approvals

Logo	Approval	Certificate name
	ATEX TUEV Nord Cert GmbH	TÜV 07 ATEX 554086 X en.
	TUEV Nord TUEV Nord Cert GmbH	IECEx TUN 09.0001 X
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	E198726 Sec.1

Ship Approvals

Logo	Approval	Certificate name
	BV Bureau Veritas S.A.	13453/DO BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	TAA0000194
	DNV GL Det Norske Veritas, Germanischer Lloyd	TAA0000194
	DNV DNV Germany GmbH	A-14093
	GL Germanischer Lloyd	26 898 - 05 HH
	LR {Lloyds Register EMEA	02/20026 (E5)
	NK Nippon Kaiji Kyokai	TA17255M
	PRS Polski Rejestr Statkow	TE/1989/880590/13
	RINA RINA Germany GmbH	ELE134212XG

UL-Approvals

Logo	Approval	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	E175199 Sec.1



Product family

750/753 Series I/O-System

Show all products from the family.

Subject to changes.

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