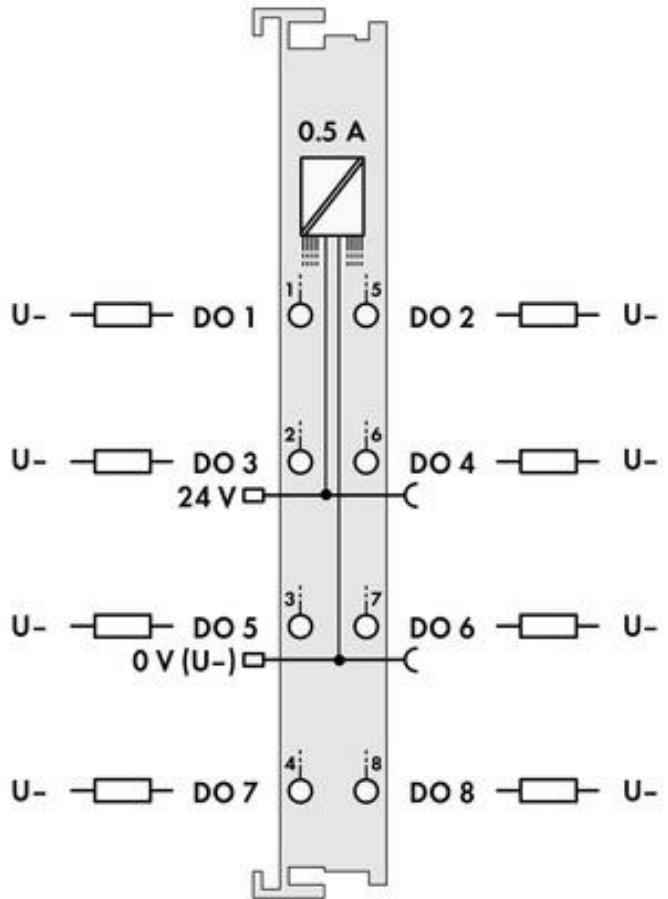




Item description

The digital output module provides 8 channels in a width of just 12mm (0.47in.). The connected load is switched via digital output from the control system.

All outputs are short-circuit-protected.

Field and system levels are electrically isolated.



Data

Technical Data

Number of digital outputs	8
Total number of channels (module)	8
Type of signal	Voltage
Type of signal voltage	DC 24 V
Actuator connection	8 x (1-conductor)
Output characteristic	high-side switching
Output current per channel	0.5 A
Output current	short-circuit-protected
Switching frequency max.	2 kHz
Type of load	resistive, inductive, lamps
Switching frequency (max.)	2000 Hz
Inductive load switch-off energy dissipation W (max.)	0.9 J
Max. output data width (internal)	8 Bit
System supply voltage	DC 5 V; via data contacts
Current consumption, system supply	25 mA
Field supply voltage	DC 24 V (-25 ... 30 %); über Leistungskontakte; zur Weiterleitung getunnelt
Current consumption, field supply (module with no external load)	15 mA
Isolation field – system	500 VAC (1 min)
Indicators	LED (A-H) green: Status DO 1 ... DO 8
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
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	67.8 mm / 2.669 Inch
Height from upper-edge of DIN-35 rail	60.6 mm / 2.386 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	1.034 MJ
Weight	49.754 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	4045454686901
Customs Tariff No.	85371098990
Product Group	15 (Remote I/O)

Ex-Approvals

Logo	Approval	Certificate name
PTB 0102 Ex	ATEX TÜEV Nord Cert GmbH	TÜV 07 ATEX 554086 X en.
	INMETRO TÜV Rheinland do Brasil Ltda.	BR-Ex_TÜV 12.1297 X
IECEx	TÜEV 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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