

## Item description

The counter acquires 24V binary pulses and transports the counter status to the installed bus system.

The U/D input allows either Up or Down counting.

Digital outputs DO 1 and DO 2 can be set using the control byte.

The control byte sets or resets the counter. A counter lock-out is also possible.

## Technical data

Number of digital outputs	2
No. of counters	1
Type of signal	Voltage
Type of signal voltage	DC 24 V
Counter depth	32Bit
Input current typ.	6 mA
Output current per channel	0.5 A
Output current	Short-circuit-protected
Switching frequency max.	100 kHz

Voltage range for signal (0)	-3 ... +5 V DC
Voltage range for signal (1)	15 ... 30 V DC
Bit width	32-bit data; 8-bit control/status
System supply voltage	DC 5 V; via data contacts
Current consumption, system supply (5 V)	70 mA
Field supply voltage	DC 24 V (-15 ... +20 %); via power jumper contacts (power supply via blade contact; transmission via spring contact)
Isolation	500 V system/supply
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

Connection technology: In-/Outputs	8 × CAGE CLAMP <sup>®</sup>
Connection type (1)	Inputs/Outputs
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 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	1.516 MJ
Weight	50 g
Conformity marking	CE

### Environmental Requirements

Surrounding air (operating) temperature	0 ... 55 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Protection class	IP20

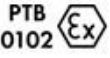

Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	Horizontal (standing/lying) or vertical
Relative air humidity (no condensation)	95 %
Vibration resistance	4 g per IEC 60068-2-6
Shock resistance	15 g per IEC 60068-2-27
EMC immunity to interference	Acc. to EN 61000-6-2, marine applications
EMC emission of interference	Acc. to EN 61000-6-4, marine applications
Exposure to pollutants	Acc. to IEC 60068-2-42 and IEC 60068-2-43
Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %	25 ppm
EMC immunity to interference	Acc. to EN 61000-6-2, marine applications

### Commercial data


Product Group	15 (Remote I/O)
Packaging type	BOX
Country of origin	DE
GTIN	4045454429737
Customs Tariff No.	85389099990

### Approvals / Certificates







#### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TÜV 07 ATEX 554086 X en.
	TUEV Nord TUEV Nord Cert GmbH	IEC 60079-0	IECEx TUN 09.0001 X


Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM- W43CTM750

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1821926
	BV Bureau Veritas S.A.	-	13453/DO BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
	KR Korean Register of Shipping	-	KR HMB05880AC001
	LR Lloyds Register	-	02/20026 (E6)
	NK Nippon Kaiji Kyokai	-	TA17255M
	PRS Polski Rejestr Statków	-	TE/2236 /880590/19
	RINA RINA Germany GmbH	-	ELE066419XG

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

Subject to changes.

Domat control system

WAGO Kontakttechnik GmbH & Co. KG (manufacturer)

Do you have any questions about our products?

We are always happy to take your call at +420 461 100 666.