

**WAVESERIES
WDS2 RS232/TTY****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com



The constantly increasing demand for automation technology means that ever larger amounts of data have to be processed. A highly diverse range of interface converters in serial and digital form are used in such instances. They are primarily used to adapt different data protocols and for converting analogue signals into digital ones or vice versa.

General ordering data

Order No.	8615690000
Type	WDS2 RS232/TTY
Version	WAVESERIES, Interface converter
GTIN (EAN)	4032248277681
Qty.	1 pc(s).

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Technical data
Dimensions

Length	92.4 mm	Width	22.5 mm
Height	112.4 mm		

Temperatures

Operating temperature	0 °C...+55 °C	Storage temperature	-20 °C...+85 °C
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Probability of failure

MTTF	419 Years
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Interface 1

Assignment	DTE/DCE switchable with DIP switch	Connection type	SUB-D9 (male plug)
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Interface 2

Bit delay	≤ 3 μs	Bit distortion	< 1.5%
Load	≤ 500 Ω	Shield connection	KLBÜ 4-6/Z1
Status indicator	LED green: supply voltage, TxD, RxD	Transmission channels	full duplex
Transmission distance	Max. 1000 m twisted pair	Transmission rate	19.2 kBit/s

General data

Current-carrying capacity of cross-connect.	≤ 2 A	Galvanic isolation	3-way isolator
Mounting rail	TS 35	Power consumption	ca. 0.8 W
Supply voltage	24 V DC ± 25 %	Type of connection	Screw connection

Insulation coordination

Clearance & creepage distances	Between adjacent circuits: 3 mm between the circuits and PE: 1.5 mm	EMC standards	EN 55011, EN 61000-6-2, EN 61000-6-4
Impulse withstand voltage	4 kV	Insulation voltage	2 kV DC / 1 min.
Insulation voltage input or output/supply	2 kV DC / 1 min.	Pollution severity	2
Rated voltage	between adjacent electric circuits: 300 V between electric circuits and PE: 150 V	Standards	DIN EN 50178, DIN EN 61000-4-2
Surge voltage category	III		

Classifications

ETIM 2.0	EC000310	ETIM 3.0	EC000310
ETIM 4.0	EC000310	UNSPSC	30-21-18-01
eClass 4.1	27-23-02-07	eClass 5.1	27-23-02-07
eClass 6.0	27-23-02-07	eClass 7.0	27230207

Data sheet...**WAVESERIES**
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Approvals

**Downloads**Declaration of Conformity [K250_06_09.pdf](#)
[3-D model](#)

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Drawings

