

WDS2 RS232/TTY

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product is no longer available, Data sheet for information only



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

Version	Interface converter, RS232, TTY
Order No.	8615690000
Type	WDS2 RS232/TTY
GTIN (EAN)	403224827768 1
Qty.	1 items
Delivery status	Discontinued
Available until	2023-12-30T00:00:00+01:00

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

Dimensions and weights

Depth	92 mm	Depth (inches)	3.622 inch
Height	112.4 mm	Height (inches)	4.4252 inch
Width	22.5 mm	Width (inches)	0.8858 inch
Net weight	149 g		

Temperatures

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

SIL in compliance with IEC 61508	None	MTTF	419 a
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption		
RoHS Exemption (if applicable/known)	7a, 7cI		
REACH SVHC	Lead 7439-92-1, 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1		
SCIP	c6099607-b1cd-4fc8-8f5b-8c2defa73093		

Communication

Addressing	DIP switch	Protocol	Serial data transfer
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Input

Number inputs	1	Type	RS232, TTY
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Interface 1

Assignment	DTE/DCE switchable with DIP switch	Transmission rate	19.2 kBit/s
Type	RS232, TTY	Protocol	Serial data transfer
Bit distortion	<1.5%	Bit delay	≤ 3 μs
Connection type	SUB-D9 (male plug)	Addressing	DIP switch

Interface 2

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

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General data

Protection degree	IP20	Status indicator	LED green: supply voltage, TxD, RxD
Supply voltage	24 V DC \pm 20 %	Mounting rail	TS 35
Power consumption	ca. 0.8 W	Nominal power consumption	0.5 VA
Configuration	DIP switch		

Insulation coordination

Impulse withstand voltage	4 kV	EMC standards	EN 55011, EN 61000-6-2, EN 61000-6-4
Surge voltage category	III	Pollution severity	2
Galvanic isolation	3-way isolator	Insulation voltage input or output/supply	2 kV DC / 1 min.
Insulation voltage	2 kV DC / 1 min.	Rated voltage	between adjacent electric circuits: 300 V between electric circuits and PE: 150 V

Connection data

Type of connection	Screw connection	Stripping length, rated connection	7 mm
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping range, rated connection	2.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²		

Classifications

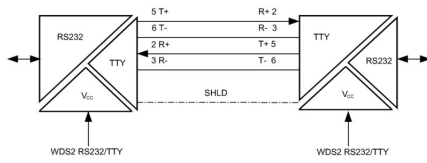
ETIM 8.0	EC000310	ETIM 9.0	EC000310
ETIM 10.0	EC000310	ECLASS 14.0	27-06-03-20
ECLASS 15.0	27-06-03-20		

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Drawings

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RS232 Assignment	SW1			
	1	2	3	4
DTE	■	□	■	□
DCE	□	■	□	■

Operating mode	SW2									
	1	2	3	4	5	6	7	8	9	10
Transmit active						■	□	■	□	■
Transmit passive						□	■	□	■	□
Receive active	■	□	■	□	■					
Receive passive	□	■	□	■	□					

■ = on
 □ = off

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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	W-Series, Cross-connector, 24 A
GTIN (EAN)	40081908883621	
Qty.	60 ST	
Type	ZQV 2.5N/2 RT	Version
Order No.	1717900000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349288	
Qty.	60 ST	
Type	ZQV 2.5N/2 BL	Version
Order No.	1717990000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349295	
Qty.	60 ST	
Type	ZQV 2.5N/2 SW	Version
Order No.	1718080000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349301	
Qty.	60 ST	

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 10/5 MC NE WS	Version
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 ST	