WTL 4/2 STB

Product image

Current and voltage transformer wiring
Our test disconnect terminal blocks featuring spring and
screw connection technology allow you to create all the
important converter circuits for measuring current, volt-
age and power in a safe and sophisticated way.

General ordering data

Version	Measuring transformer disconnect terminal, Screw connection, 500, 10, 2
Order No.	1881650000
Type	WTL 4/2 STB
GTIN (EAN)	4032248484041
Qty.	50 items

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Data sheet

WTL 4/2 STB

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

www.weidmueller.com

Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	48.5 mm	Depth (inches)	1.9094 inch
Depth including DIN rail	50 mm	Height	56.5 mm
Height (inches)	2.2244 inch	Width	6 mm
Width (inches)	0.2362 inch	Net weight	13.45 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	0eb7d846-d0a1-43e5-93a4-d7c6856c4cda

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Spacer, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Open sides	Open	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	10 AWG	Voltage size C (CSA)	150 V
Current size C (CSA)	8 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A4	Wire connection cross section AWG, max.	AWG 10
Connection direction	on side	Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.5 Nm	Stripping length	10 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	6 mm²	Clamping range, min.	0.13 mm²
Clamping screw	M 3	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 26	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²	Wire connection cross section, finely stranded, max.	6 mm²
Wire connection cross section, finely stranded, min.	0.13 mm²	Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0.13 mm²	Torque level with DMS electric screwdriver	2
Wire connection cross-section, solid core, max.	6 mm²	Wire connection cross-section, solid core, min.	0.13 mm²

Dimensions

TS 35 offset	28 mm

General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Mounting rail	TS 35		

Rating data

Rated cross-section	4 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	10 A
Current at maximum wires	11 A	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	1.02 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	10 AWG	Voltage size D (cURus)	300 V
Wire cross section max. (cURus)	10 AWG	Certificate No. (cURus)	E60693
Wire cross section min. (cURus)	26 AWG	Conductor size Field wiring min. (cURus)	26 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Current size D (cURus)	8 A
Conductor size Field wiring max. (cURus)	10 AWG		

Classifications

ETIM 8.0	EC000902	ETIM 9.0	EC000902
ETIM 10.0	EC000902	ECLASS 14.0	27-25-01-09
ECLASS 15.0	27-25-01-09		

Drawings

WTL 4/2 STB

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End plates and partition plates

Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	WAP WTL4/2	Version	
Order No.	1881640000	End plate for terminals, dark beige, Height: 55 mm, Width: 2 mm, V-0,	
GTIN (EAN)	4032248484034	Wemid, Snap-on: No	
Qty.	50 ST		

End bracket

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/2	Version	
Order No.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 ℃	
GTIN (EAN)	4008190030230		
Qty.	50 ST		

Testadapter and testsockets

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	WTA 8 KO-TN	Version	
Order No.	1915480000	Test adapter (terminal), 1.5 mm², 205 V, 6 A	
GTIN (EAN)	4032248548057		
Qty.	25 ST		

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Accessories

Type	WTA 8 KO-TN/ZA	Version	
Order No.	1915510000	Test adapter (terminal), 1.5 mm², 205 V, 6 A	
GTIN (EAN)	4032248548088		
Qty.	25 ST		
Type	WTA 8 TN	Version	
Order No.	1915450000	Test adapter (terminal), 1.5 mm², 205 V, 6 A	
GTIN (EAN)	4032248548026		
Qty.	25 ST		
Type	WTA 8 TN-KO	Version	
Order No.	1915470000	Test adapter (terminal), 1.5 mm², 205 V, 6 A	
GTIN (EAN)	4032248548040		
Qty.	25 ST		
Type	WTA 8 TN/ZA	Version	
Order No.	1915500000	Test adapter (terminal), 1.5 mm², 205 V, 6 A	
GTIN (EAN)	4032248548071		
Qty.	25 ST		
Type	WTA 8 TN-KO/ZA	Version	
Order No.	1915520000	Test adapter (terminal), 1.5 mm², 205 V, 6 A	
GTIN (EAN)	4032248548095		
Qty.	25 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 12/6 MC NE WS	Version	
Order No.	1609900000	WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,	
GTIN (EAN)	4008190203467	Allen-Bradley, white	
Qty.	600 ST		

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Accessories

Marker holder

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version	
Order No.	1805490000	Accessories, Marker holder	
GTIN (EAN)	4032248270231		
Qty.	100 ST		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	1805520000	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 ST		

WS 12/6

WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark
• Firm hold and durable printing
• Continuous strips save installation time
• Easy mounting thanks to an innovative composite material
• Large label field for optimal legibility
• High flexibility thanks to manufacturer independence

General ordering data

Type	WS 12/6 MM WS	Version	
Order No.	2007200000	WS, Terminal marker, 12 x 6 mm, Weidmueller, white	
GTIN (EAN)	4050118391886		
Qty.	600 ST		

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