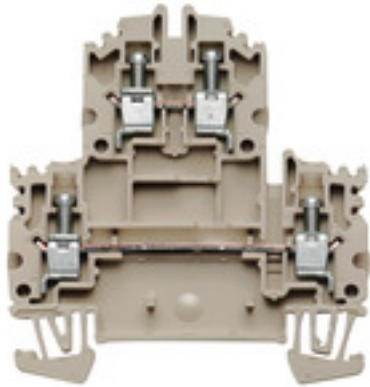


W-Series
WDK 4N

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Product image**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	WDK 4N
Order No.	1041900000
Version	Double-tier terminal, Screw connection, 4 mm ² , 800 V, 32 A, dark beige
GTIN (EAN)	4032248138814
Qty.	100 pc(s).

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Technical data
Dimensions and weights

Width	6.1 mm	Width (inches)	0.24 inch
Height	60 mm	Height (inches)	2.362 inch
Depth	63.25 mm	Depth (inches)	2.49 inch
Depth including DIN rail	64.15 mm	Net weight	12.11 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour code	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA00ATEX2061U	Certificate No. (IECEX)	IECEXULDO5.0008U
Max. voltage (ATEX)	550 V	Current (ATEX)	28 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	28 A	Wire cross section max. (IECEX)	4 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, for plug-in cross-connector, One end without connector	Tightening torque (clamping screw for copper conductors)	0.5...1 Nm
End cover plate required	Yes	Number of potentials	2
Number of levels	2	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm ²

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

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Technical data
CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	30 A
Current size D (CSA)	5 A	Voltage size C (CSA)	300 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm ²
Clamping range, min.	0.13 mm ²	Clamping screw	M 3
Connection cross-section, stranded, max.	6 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A4
Number of connections	4	Stripping length	8 mm
Tightening torque, max.	1 Nm	Tightening torque, min.	0.5 Nm
Torque level with DMS electric screwdriver	2	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	6 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions

TS 35 offset	30 mm
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Rating data

Rated cross-section	4 mm ²	Rated voltage	800 V
Rated current	32 A	Current at maximum wires	35 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	2 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	10 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	35 A
Voltage size C (UR)	600 V		

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Technical data

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text technical data	Rated voltage: 400 V when using ZQV cross-connection 2 wire H07V-U1.5, tighten with 0.6 Nm.
Instructions for accessories	Cross-connections, see section "W series accessories".

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	CFAT_WDK 4N.pdf DE_PT1001_20160418_720_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD_Zuken E3.S
Engineering Data	STEP

Safety note

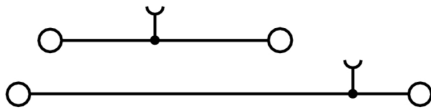
Safety notice	Safety Information
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Data sheet

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Drawings



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Accessories
ZQV 4N

Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 4N/10 GE	1758260000	Accessories, Cross-connector, 32 A	4032248169764	20 pc(s).
ZQV 4N/4 GE	1762620000	Accessories, Cross-connector, 32 A	4032248169771	60 pc(s).
ZQV 4N/20 GE	1909020000	Accessories, Cross-connector, 32 A	4032248535644	20 pc(s).
ZQV 4N/2 GE	1758250000	Accessories, Cross-connector, 32 A	4032248169795	60 pc(s).
ZQV 4N/3 GE	1762630000	Accessories, Cross-connector, 32 A	4032248169788	60 pc(s).

End brackets

Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/2	1061200000	W-Series, End bracket	4008190030230	100 pc(s).

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Accessories

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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo 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	Order No.	Version	GTIN (EAN)	Qty.
WS 8/5 MC	1640740000	WS, Terminal marker, 8 x 5	4008190279103 720	pc(s).
NE WS		mm, Pitch in mm (P): 5.00	Weidmueller, Allen-Bradley,	
		white		

Shielding bus



Klippon® Connect with clamping yoke Technology
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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
LS 2.8	1056400000	W-Series, Shield bus	4008190036454 100	pc(s).
WDU2.5-10				

W-Series WDK 4N

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Accessories

Marking Holder



Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

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

ZQV 4N



Spring connection with PUSH IN Technology

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

General ordering data

Type	Order No.	GTIN (EAN)	Qty.
ZQV 4N/6	1527990000	4050118332919	20 pc(s).
ZQV 4N/9 BL	1528220000	4050118333107	20 pc(s).
ZQV 4N/6 BL	1528170000	4050118332926	20 pc(s).
ZQV 4N/7	1528020000	4050118332780	20 pc(s).
ZQV 4N/4	1527970000	4050118332889	60 pc(s).
ZQV 4N/5 RD	2460790000	4050118476217	60 pc(s).
ZQV 4N/5	1527980000	4050118332759	60 pc(s).
ZQV 4N/50	1528240000	4050118333121	5 pc(s).
BL			
ZQV 4N/4 BL	1528120000	4050118332872	60 pc(s).
ZQV 4N/5 BL	1528140000	4050118333015	60 pc(s).
ZQV 4N/50	1528130000	4050118332902	5 pc(s).
ZQV 4N/7 RD	2460770000	4050118476194	20 pc(s).
ZQV 4N/8	1528030000	4050118332841	20 pc(s).
ZQV 4N/3	1527940000	4050118332865	60 pc(s).
ZQV 4N/10	1528230000	4050118333138	20 pc(s).
BL			
ZQV 4N/50	2460730000	4050118476156	5 pc(s).
RD			

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Accessories

ZQV 4N/30 256160000	4050118569964	5 pc(s).
RD		
ZQV 4N/4 RD 246080000	4050118476224	60 pc(s).
ZQV 4N/3 BL 152808000	4050118333008	60 pc(s).
ZQV 4N/30 256161000	4050118569971	5 pc(s).
BL		
ZQV 4N/7 BL 152818000	4050118333114	20 pc(s).
ZQV 4N/3 RD 246081000	4050118476231	60 pc(s).
ZQV 4N/2 BL 152804000	4050118332773	60 pc(s).
ZQV 4N/30 256158000	4050118570113	5 pc(s).
ZQV 4N/8 BL 152819000	4050118332858	20 pc(s).
ZQV 4N/6 RD 246078000	4050118476200	20 pc(s).
ZQV 4N/2 152793000	4050118332766	60 pc(s).
ZQV 4N/2 RD 246045000	4050118476149	60 pc(s).
ZQV 4N/9 RD 246075000	4050118476170	20 pc(s).
ZQV 4N/10 152809000	4050118332896	20 pc(s).
ZQV 4N/9 152807000	4050118332797	20 pc(s).
ZQV 4N/8 RD 246076000	4050118476187	20 pc(s).
ZQV 4N/10 246074000	4050118476163	20 pc(s).
RD		

Partition plates



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WTW EN	105880000	W-Series, Separation plate	4008190140175	20 pc(s).

Data sheet

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Accessories

End plates



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WAP	1084080000	W-Series, End plate	4032248127337 20 pc(s).	
WDK2.5/4 N				
BL				
WAP	1084000000	W-Series, End plate	4032248127351 20 pc(s).	
WDK2.5/4 N				