Z terminal with tension spring connection
ZDK 4-2

Weidmüller Interface GmbH & Co. KG
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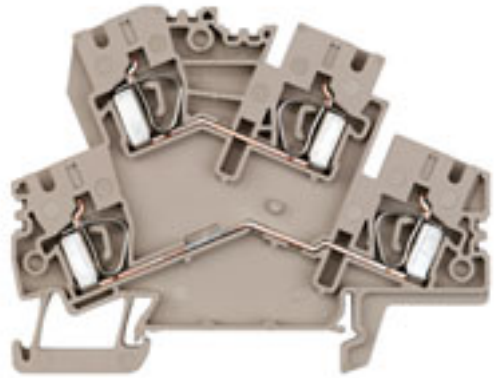

Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and another family of terminals by Weidmüller.
Z-Series terminals have a large clamping range and one or two cross-connection slots.
Plug-in standard cross-connections enable potentials to be distributed over any number of terminals.

General ordering data

Order No.	8670750000
Type	ZDK 4-2
Version	Z terminal with tension spring connection, Double-tier terminal, Rated cross-section: 4 mm², Tension clamp connection, Wemid, Dark Beige
GTIN (EAN)	4032248422012
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Length	77.6 mm	Width	6.1 mm
Height	60 mm	Height of lowest version	61 mm
Net weight	15.8 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Additional technical data

Explosion-tested version	No	Open sides	right
Type of mounting	Snap-on	Version	Double terminal

CSA ratings data

Certificate No. (CSA)	200039-1236167	Voltage size C (CSA)	600 V
Current size C (CSA)	30 A	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm²

Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	Inclined / angled
Clamping range, rated connection, min.	0.13 mm²	Clamping range, rated connection, max.	6 mm²
Gauge to IEC 60947-1	A3	Wire connection cross section, solid core, max. rated connection	0.5 mm²
Wire connection cross section, solid core max. rated connection	6 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross-section, finely stranded, min.	0.5 mm²	Finely stranded, min. (rated connection)	0.5 mm²
Finely stranded, max. (rated connection)	6 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm²	Twin wire-end ferrules, min.	0.5 mm²
Twin wire-end ferrules, max.	1.5 mm²		

Dimensions

TS 35 offset	32.5 mm

Rated data

Rated cross-section	4 mm²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Pollution severity	3		

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Technical data

UL ratings data

Certificate No. (UR)	E60693VOL1SEC52	Voltage size C (UR)	600 V
Current size C (UR)	25 A	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	10 AWG

Material data

Insulating material	Wemid	Material	Wemid
Colour	Dark Beige	UL 94 flammability rating	V-0

System specifications

Product family	Z terminal with tension spring connection	Type of connection	Tension clamp connection
Connection direction	Inclined / angled	Number of levels	2
Levels cross-connected internally	Yes	Mounting rail	TS 35
End cover plate required	Yes		

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-18
eClass 5.1	27-14-11-18	eClass 6.0	27-14-11-20
eClass 7.0	27-14-11-20		

Approvals

Approvals

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Accessories

Custom printing

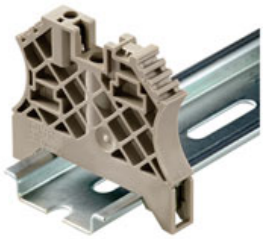
The **dekafix (DEK)** marker is the universal marker for all conductor and plug-in connectors as well as for electronics mdoules. The system is ideal for small groups of consecutive numbers and covers a large range of ready-printed markers.
Being mounted as strips means that they are quickly clipped on in one operation. The printing is legible with good contrast, and is available in five widths.

- Large selection of ready-to-use markers
- In strips for fast installation
- Connector markers are suitable for all Weidmüller conductor connectors
- Available as blank cards, MultiCard or as cards with standard printing

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1609830000	DEK 5/6 MC SDR	Terminal markers, MultiCard, 5 x 6 mm, Polyamide 66, Colour: To customer specification	4008190456603	200 pc(s).

for TS 35 terminal rail



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

Order No.	Type	Version	GTIN (EAN)	Qty.
9540000000	ZEW 35	Accessories, End bracket	4008190956264	20 pc(s).

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Accessories

Screwdrivers

Always the right tools:
Weidmüller screwdrivers are the result of a consistent grip concept which takes into account both the human hand and the different requirements when working.
The right blade for every screw - with four different handle sizes
The advantages are obvious:
- User-friendly: ergonomic handle arrangement for effortless working progress
- Optimised connections: compatible blade and perfect handle size for maximum torque
- Reliable: even easier operation for even quicker wiring

The result: efficient, professional working progress.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
9008330000	SDS 0.6X3.5X100	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056286	1 pc(s).

ZAP ZDK 4-2

Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.
The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8704430000	ZAP ZDK 4-2 OR	Z-series, End plate, Orange, 2 mm	4032248375394	50 pc(s).
8670760000	ZAP/TW ZDK4-2	Z-series, End plate, Partition plate, Dark Beige, 2 mm	4032248337415	50 pc(s).
8670620000	ZAP/TW ZDK4-2 BL	Z-series, End plate, Partition plate, Blue, 2 mm	4032248337149	50 pc(s).

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Accessories

ZTA 6

Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.
The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1780660000	ZTA 6/ZA	Test adapter, Rated control voltage:	4032248180189	25 pc(s).

ZQV 4

Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.
The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1608960000	ZQV 4/3 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190263232	60 pc(s).
1608980000	ZQV 4/5 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 5	4008190263256	20 pc(s).
1609000000	ZQV 4/7 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 7	4008190263270	20 pc(s).
1609010000	ZQV 4/8 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 8	4008190263287	20 pc(s).
1608950000	ZQV 4/2 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190263225	60 pc(s).
1609020000	ZQV 4/9 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 9	4008190263294	20 pc(s).
1609030000	ZQV 4/10 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 10	4008190263300	20 pc(s).

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Accessories

1608970000 ZQV 4/4 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190263249	60 pc(s).
1608990000 ZQV 4/6 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 6	4008190263263	20 pc(s).