

ZB 16K SW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Weidmueller offers tapping terminals for various types of bus bar systems. Depending on the application, a distinction can be made here between insulated and non-insulated tap-off terminals.

General ordering data

Version	Terminal (busbar connection)
Order No.	0502810000
Type	ZB 16K SW
GTIN (EAN)	4008190332563
Qty.	50 items

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Technical data

Approvals

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ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	26.8 mm	Depth (inches)	1.0551 inch
Height	19 mm	Height (inches)	0.748 inch
Width	10 mm	Width (inches)	0.3937 inch
Net weight	8.74 g		

Temperatures

Ambient temperature -5 °C...40 °C

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

Material data

Basic material	Steel	Insulating material	PA
Colour	black		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO03ATEX136028U	Certificate No. (IECEx)	IECExULD13.0005U
Wire cross section max. (ATEX)	16 mm ²	Wire cross section max. (IECEx)	16 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

Safety notice

Installation instructions:
The potential equalisation (PE) rail modules are suitable for use in housings in atmospheres with flammable gases and dust. For use in areas with flammable gases, these housings must meet the requirements of EN 60079-0 and EN 60079-7. For use in areas with flammable dust, these housings must meet the requirements of EN 60079-0 and EN 60079-31.
When combined with other terminal block ranges and sizes, and when other accessories are used, you must comply with the clearance and creepage distances given.

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Regarding accessory use, the manufacturer's instructions must be followed.
List of restrictions:
The PE rail modules are considered one component, with Ex marking when used with the busbar holders of type SH and WEW. When used independently, the above named components are not covered by this certificate.

System specifications

Version	for busbar 10 x 3 mm
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Additional technical data

Installation advice	Feed-through (bushing)	Type of mounting	when screwed in
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CSA rating data

Wire cross section max. (CSA)	6 AWG	Certificate No. (CSA)	12400-237
Wire cross section min. (CSA)	12 AWG		

Conductors for clamping (rated connection)

Tightening torque, max.	2.4 Nm	Tightening torque, min.	1.2 Nm
Type of connection	Clamping yoke	Clamping range, max.	25 mm ²
Clamping range, min.	2.5 mm ²	Clamping screw	M 4
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross section, finely stranded, min.	2.5 mm ²	Connection cross-section, stranded, max.	25 mm ²
Connection cross-section, stranded, min.	2.5 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	2.5 mm ²		

General

Installation advice	Feed-through (bushing)
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Rating data

Rated cross-section	16 mm ²
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UL rating data

Conductor size Factory wiring max. (UR)	4 AWG	Conductor size Factory wiring min. (UR)	12 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	12 AWG
Conductor size Field wiring max. (UR)	4 AWG		

Technical data

Classifications

ETIM 8.0	EC000001	ETIM 9.0	EC000001
ETIM 10.0	EC000001	ECLASS 14.0	27-25-01-16
ECLASS 15.0	27-25-01-16		