

**Multipin terminal strip  
BK 6/E**

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Multi-pole terminal strips have been part of the Weidmüller portfolio for many years. The terminal rails can be screwed directly to the housing. A retightening of the clamping screw when setting the wire is not needed with these terminals. The terminal strips are available in the materials KRG and PA and with different connection systems.

**General ordering data**

Type	BK 6/E
Order No.	<a href="#">7906090000</a>
Version	Multipin terminal strip, Single- and multi-pole terminal strip, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, Direct mounting
GTIN (EAN)	4008190576295
Qty.	50 pc(s).

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## Technical data

### Dimensions and weights

Width	22 mm	Height	52 mm
Height of lowest version	20 mm	Depth	20 mm
Net weight	38.4 g		

### Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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### Rated data IECEx/ATEX

Certificate No. (ATEX)	SIRA01ATEX3247U	ATEX certificate	SIRA01ATEX3247U_d.pdf
ATEX certificate	SIRA01ATEX3247U_e.pdf	Certificate No. (IECEX)	IECEXSIR05.0035U
IEC Ex certificate	IECEXSIR05.0035U_e.pdf	Max. voltage (ATEX)	275 V
Current (ATEX)	28 A	Wire cross section max. (ATEX)	4 mm <sup>2</sup>
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

### Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Type of mounting	Direct mounting	Version	For the mounting rails

### CSA ratings data

Certificate No. (CSA)	200039-2165696	Voltage size B (CSA)	300 V
Voltage size D (CSA)	300 V	Current size B (CSA)	10 A
Current size D (CSA)	10 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	22 AWG		

### Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	8 mm
Blade size	4.0 x 0.8 mm	Connection direction	on side
Number of connections	12	Clamping range, rated connection, min.	0.33 mm <sup>2</sup>
Clamping range, rated connection, max.	4 mm <sup>2</sup>	Clamping screw	M 3
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Torque level with DMS electric screwdriver	2	Gauge to IEC 60947-1	A3
Wire connection cross section, solid core, min. rated connection	0.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm <sup>2</sup>
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 12

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**Data sheet**

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**Technical data**

**Rated data**

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	400 V
Rated impulse withstand voltage	6 kV	Rated current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Pollution severity	3		

**UL ratings data**

Certificate No. (UR)	E60693	Voltage size B (UR)	250 V
Voltage size C (UR)	150 V	Voltage size D (UR)	300 V
Current size B (UR)	20 A	Current size C (UR)	20 A
Current size D (UR)	10 A	Wire cross section max. (UR)	12 AWG
Wire cross section min. (UR)	22 AWG	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG

**Material data**

Material	KrG	Colour	Medium Yellow
UL 94 flammability rating	V-0, 5VA		

**System specifications**

Product family	Multipin terminal strip	Type of connection	Screw connection
Connection direction	on side	Number of connections	12
Mounting rail	Mounting plate	End cover plate required	No

**Classifications**

ETIM 3.0	EC001284	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-06	eClass 6.2	27-14-11-06
eClass 7.1	27-14-11-06		

**Product information**

Descriptive text technical data	Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm <sup>2</sup> ) can be connected.
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**Approvals**

Approvals



ROHS Conform