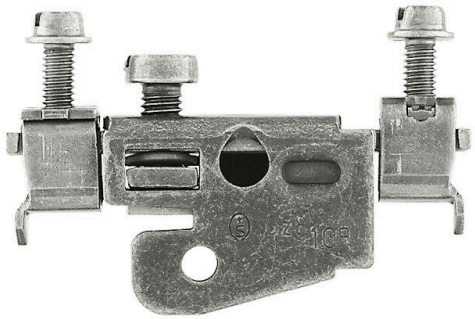
Data sheet

EK 2

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	PE terminal, Screw connection, silver, 10 mm², Number of connections: 2, Number of levels: 1, TS 32, None, PA 66
Order No.	0323100000
Type	EK 2
GTIN (EAN)	4008190013585
Qty.	20 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	38 mm	Depth (inches)	1.4961 inch
Height	52 mm	Height (inches)	2.0472 inch
Width	10.2 mm	Width (inches)	0.4016 inch
Net weight	32.9 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	PA 66	Colour	silver
UL 94 flammability rating	None		

System specifications

Version	Screw connection, With PE connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 32	N-function	No
PE function	Yes	PEN function	No

Additional technical data

Open sides	closed	Number of similar terminals	1
Explosion-tested version	No	Type of mounting	when screwed in

CSA rating data

Wire cross section max. (CSA)	8 AWG	Certificate No. (CSA)	12400-236
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm²	Connection type, additional connection	Screw connection

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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B6	Wire connection cross section AWG, max.	AWG 8
Connection direction	on side	Tightening torque, max.	1.6 Nm
Tightening torque, min.	1.2 Nm	Stripping length	14 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	10 mm²	Clamping range, min.	1.5 mm²
Clamping screw	M 4	Blade size	1.0 x 5.5 mm
Wire connection cross section AWG, min.	AWG 16	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm²
Wire connection cross section, finely stranded, max.	10 mm²	Wire connection cross section, finely stranded, min.	1.5 mm²
Connection cross-section, stranded, max.	10 mm²	Connection cross-section, stranded, min.	1.5 mm²
Torque level with DMS electric screwdriver	4	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	1.5 mm²	Connection cross-section, finely stranded, min.	1.5 mm²

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 16
Standards	IEC 60947-7-2	Mounting rail	TS 32

Rating data

Rated cross-section	10 mm²	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Power loss in accordance with IEC 60947-7-x	1.82 W

Classifications

ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		