Data sheet

EK 16

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, yellow, green, 16 mm², 800 V, Number of connections: 2, Number of levels: 1, TS 32, V-2, PA 66
Order No.	0374660000
Type	EK 16
GTIN (EAN)	4008190139889
Qty.	50 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	57.5 mm	Depth (inches)	2.2638 inch
Height	50 mm	Height (inches)	1.9685 inch
Width	12 mm	Width (inches)	0.4724 inch
Net weight	46.6 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	8ba1cc8e-9787-42d9-b332-c835bd57699a

Material data

Basic material	PA 66	Colour	yellow, green
UL 94 flammability rating	V-2		

System specifications

Version	Screw connection, With PE connection, One end without connector	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	Yes

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	6 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	80 A	Certificate No. (CSA)	12400-127
Wire cross section min. (CSA)	10 AWG		

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Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm²	Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B6	Wire connection cross section AWG, max.	AWG 6
Connection direction	on side	Tightening torque, max.	2.2 Nm
Tightening torque, min.	2 Nm	Stripping length	16 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	16 mm²	Clamping range, min.	4 mm²
Clamping screw	M 4	Blade size	1.0 x 5.5 mm
Wire connection cross section AWG, min.	AWG 12	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm²
Wire connection cross section, finely stranded, max.	16 mm²	Wire connection cross section, finely stranded, min.	4 mm²
Connection cross-section, stranded, max.	16 mm²	Connection cross-section, stranded, min.	4 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	4 mm²
Connection cross-section, finely stranded, min.	4 mm²		

General

Wire connection cross section AWG, max.	AWG 6	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 12	Standards	IEC 60947-7-2
Mounting rail	TS 32		

Rating data

Rated cross-section	16 mm²	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.42 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	2.43 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (UR)	6 AWG	Conductor size Factory wiring min. (UR)	10 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	10 AWG
Conductor size Field wiring max. (UR)	6 AWG		

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41

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Technical data

ECLASS 11.0	27-14-11-41	ECLASS 12.0	27-14-11-41
ECLASS 13.0	27-25-01-03	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		