

EK 35**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

General ordering data

Version	PE terminal, Screw connection, yellow, green, 35 mm ² , 800 V, Number of connections: 2, Number of levels: 1, TS 32, V-2, PA 66
Order No.	0354760000
Type	EK 35
GTIN (EAN)	4008190187972
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Depth	67.5 mm	Depth (inches)	2.657 inch
Height	58 mm	Height (inches)	2.283 inch
Width	16 mm	Width (inches)	0.63 inch
Net weight	95.05 g		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8207U	Certificate No. (IECEX)	IECEXTUR18.0017U
Wire cross section max. (ATEX)	50 mm ²	Wire cross section max. (IECEX)	50 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

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
Rail	TS 32	N-function	No
PE function	Yes	PEN function	Yes

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	when screwed in		

CSA rating data

Certificate No. (CSA)	12400-127	Current size C (CSA)	145 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	6 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	35 mm ²	Connection type, additional connection	Screw connection
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Creation date July 25, 2024 4:04:42 PM CEST

Catalogue status 13.07.2024 / We reserve the right to make technical changes.

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Technical data

Conductors for clamping (rated connection)

Blade size	6.5 x 1.0 mm	Clamping range, max.	50 mm ²
Clamping range, min.	6 mm ²	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm ²	Connection cross-section, stranded, min.	16 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B9
Number of connections	2	Stripping length	20 mm
Tightening torque, max.	6 Nm	Tightening torque, min.	6 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 8	Wire connection cross section, finely stranded, max.	35 mm ²
Wire connection cross section, finely stranded, min.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	6 mm ²		

General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 8		

PE rating data

Rated short-time current	4200 A (35 mm ²)	Centre screw on PE terminals	M 3.5
Tightening torque range for fixing screw	0.8...1.6 Nm	PEN function	Yes

Rating data

Rated cross-section	35 mm ²	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.26 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	4 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	6 AWG		

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ETIM 9.0	EC000901
ECLASS 9.0	27-14-11-41	ECLASS 9.1	27-14-11-41
ECLASS 10.0	27-14-11-41	ECLASS 11.0	27-14-11-41
ECLASS 12.0	27-14-11-41	ECLASS 13.0	27-25-01-03

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Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e1c310ef-6b67-4efa-80a6-d307472f4de9
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity Attestation of Conformity UKCA Ex Attestation of Conformity CB Certificate CB Test Certificate IECEx Certificate ATEX Certificate UKCA Ex Certificate Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks NTI SAK 16/32 NTI SAK 35/32
Catalogues	Catalogues in PDF-format

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Accessories

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

Mounting rail support

General ordering data

Type	SH 2	Version
Order No.	0494920000	Busbar support, medium yellow, 130 °C, Width: 40 mm, V-0, KrG,
GTIN (EAN)	4008190007584	when screwed in
Qty.	10 pc(s).	

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Accessories

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/5 MC NE WS	Version	
Order No.	1609801044		Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111		Weidmueller, white
Qty.	1,000 pc(s).		

Plus



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General ordering data

Type	DEK 5/8 PLUS MC NE WS	Version	
Order No.	1046350000		Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055		Weidmueller, white
Qty.	800 pc(s).		

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General ordering data

Type	DEK 5/6 MC SDR	Version	
Order No.	1609830000		Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603		Weidmueller, To customer specification
Qty.	200 pc(s).		

Blank



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General ordering data

Type	DEK 5/6 MC NE WS	Version	
Order No.	1609820000		Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436		Weidmueller, white
Qty.	1,000 pc(s).		

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Accessories

Custom printing



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General ordering data

Type	DEK 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 pc(s).	
Type	DEK 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	

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Accessories

Custom printing



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General ordering data

Type	DEK 5/5 MC SDR	Version	
Order No.	1609810000		Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597		Weidmueller, To customer specification
Qty.	200 pc(s).		

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DEK 5/8



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	DEK 5/8 MM WS	Version	
Order No.	2007130000		Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012		
Qty.	500 pc(s).		

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Accessories

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General ordering data

Type	DEK 5/8 MC NE WS	Version	
Order No.	1856740000		Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850		Weidmueller, white
Qty.	800 pc(s).		

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Accessories

DEK 5/6



WS/ DEK

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General ordering data

Type	DEK 5/6 MM WS	Version	
Order No.	2007120000		Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104		
Qty.	600 pc(s).		