

AST 1 6.3/2.8**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	Feed-through terminal block, Flat-blade connection, beige / yellow, 2.5 mm ² , 20 A, 500 V, Number of connections: 4
Order No.	0478260000
Type	AST 1 6.3/2.8
GTIN (EAN)	4008190003043
Qty.	50 items

Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	46 mm	Depth (inches)	1.811 inch
Height	58 mm	Height (inches)	2.2835 inch
Width	6.5 mm	Width (inches)	0.2559 inch
Net weight	10.84 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...55 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °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	beige / yellow
UL 94 flammability rating	V-2		

System specifications

Version	With cable lug connection F2.8, With cable lug connection F6.3, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	4	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 32	N-function	No
PE function	No	PEN function	No

Additional technical data

Open sides	right	Number of similar terminals	1
Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Snap-on		

CSA rating data

Voltage size C (CSA)	300 V	Current size C (CSA)	16 A
Certificate No. (CSA)	12400-142		

Technical data

Conductors for clamping (additional connection)

Connection type, additional connection Flat-blade connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 12	Connection direction	top
Type of connection	Flat-blade connection	Number of connections	4
Clamping range, max.	2.5 mm ²	Clamping range, min.	0.5 mm ²
Wire connection cross section AWG, min.	AWG 20	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Connection cross-section, stranded, max.	2.5 mm ²
Connection cross-section, stranded, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	2.5 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²	Connection cross-section, finely stranded, min.	0.5 mm ²

General

Wire connection cross section AWG, max.	AWG 12	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 20	Standards	IEC 61210, In accordance with IEC 60947-7-1
Mounting rail	TS 32		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	20 A
Current at maximum wires	20 A	Standards	IEC 61210, In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Current size C (UR)	13 A	Voltage size C (UR)	300 V
Certificate No. (UR)	E60693		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	Q 2 SAK4	Version
Order No.	0336700000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 2, Pitch in mm (P): 6.00, Insulated: No, Width: 11 mm
GTIN (EAN)	4008190033842	
Qty.	50 ST	

Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

Type	Q 3 SAK4	Version
Order No.	0336800000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 3, Pitch in mm (P): 6.00, Insulated: No, Width: 18 mm
GTIN (EAN)	4008190089795	
Qty.	50 ST	

Cross-connections



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General ordering data

Type	Q 4 SAK4	Version
Order No.	0336900000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 4, Pitch in mm (P): 6.00, Insulated: No, Width: 24.5 mm
GTIN (EAN)	4008190036201	
Qty.	50 ST	

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Accessories

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General ordering data

Type	Q 10 SAK4	Version	
Order No.	0368800000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 10, Pitch in mm (P): 6.00, Insulated: No, Width: 63.5 mm	
GTIN (EAN)	4008190049478		
Qty.	20 ST		

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	STA 2.5/2	Version	
Order No.	0165860000	Test adapter (terminal)	
GTIN (EAN)	4008190129491		
Qty.	100 ST		

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	AP AST1+5 DB	Version	
Order No.	0266400000	End plate for terminals, dark beige, Height: 58 mm, Width: 1.5 mm, V-0, Wemid, Snap-on: Yes	
GTIN (EAN)	4008190176488		
Qty.	20 ST		

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Accessories

Type	TW AST1/PA HP/DBR/0.5	Version
Order No.	0474700000	Partition plate (terminal), dark brown, Height: 65 mm, Width: 0.5 mm,
GTIN (EAN)	4008190078508	V-2
Qty.	20 ST	
Type	TSCH 1	Version
Order No.	0319160000	Small partition (terminal), PA 66, beige, Continuous operating temp.,
GTIN (EAN)	4008190097219	max.: 100 °C
Qty.	100 ST	

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	PS 2.3 RT	Version
Order No.	0180400000	Test adapter (terminal), 230 V, 20 mA
GTIN (EAN)	4008190060121	
Qty.	20 ST	
Type	STB 14/D5/2.3/M3 SAK2.5	Version
Order No.	0168600000	SAK Series, Socket
GTIN (EAN)	4008190135225	
Qty.	50 ST	

Mounting support



We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

General ordering data

Type	IH 2.8 DB	Version
Order No.	0386060000	W-Series, Insulating sleeve
GTIN (EAN)	4008190043414	
Qty.	100 ST	
Type	IH 4.8 DB	Version
Order No.	0386160000	W-Series, Insulating sleeve
GTIN (EAN)	4008190141004	
Qty.	100 ST	

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Accessories

Type	IH 6.3 WEM GE	Version
Order No.	0386260000	W-Series, Insulating sleeve
GTIN (EAN)	4008190164256	
Qty.	100 ST	

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 5/6.5 MC NE WS	Version
Order No.	1609840000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203429	Weidmueller, white
Qty.	900 ST	

Custom printing



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General ordering data

Type	DEK 5/6.5 MC SDR	Version
Order No.	1609850000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190456610	Weidmueller, To customer specification
Qty.	180 ST	

Accessories

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.	1000 ST		

Custom printing



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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 ST		

Accessories

Blank



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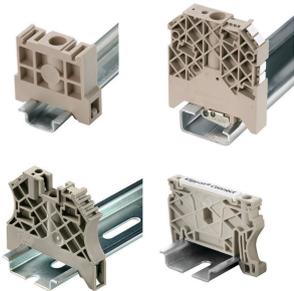
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General ordering data

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.	1000 ST		

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	EWK 1	Version	
Order No.	0206160000		End bracket, beige, TS 32, V-0, Wemid, Width: 9 mm, 100 °C
GTIN (EAN)	4008190080020		
Qty.	50 ST		

Blank



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General ordering data

Type	DEK 5/6 MC NE BL	Version
Order No.	1238290000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118267327	Weidmueller, blue
Qty.	1000 ST	
Type	DEK 5/6 MC NE BR	Version
Order No.	1454900000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323313	Weidmueller, brown
Qty.	1000 ST	
Type	DEK 5/6 MC NE GE	Version
Order No.	1238280000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118038750	Weidmueller, yellow
Qty.	1000 ST	
Type	DEK 5/6 MC NE GN	Version
Order No.	1238310000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118271812	Weidmueller, green
Qty.	1000 ST	
Type	DEK 5/6 MC NE GR	Version
Order No.	1238330000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323306	Weidmueller, grey
Qty.	1000 ST	
Type	DEK 5/6 MC NE OR	Version
Order No.	1912090000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248540525	Weidmueller, orange
Qty.	1000 ST	

Plus



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General ordering data

Type	DEK 5/6 PLUS MC NE WS	Version	
Order No.	1011320000		Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248717644		Weidmueller, white
Qty.	1000 ST		

Custom printing



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General ordering data

Type	DEK 5/6 PLUS MC SDR	Version	
Order No.	1038650000		Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248767908		Weidmueller, To customer specification
Qty.	200 ST		

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Accessories

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DEK 5/6



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

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

Accessories**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.

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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 ST		