

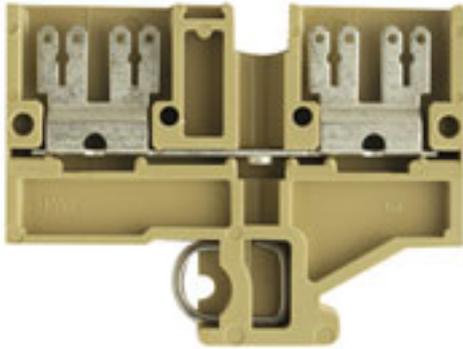
**AST 1 6.3/2.8****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

**General ordering data**

Version	Feed-through terminal block, Flat-blade connection, beige / yellow, 2.5 mm <sup>2</sup> , 20 A, 500 V, Number of connections: 4, Number of levels: 1, TS 32, V-2, PA 66, 100 °C
Order No.	<a href="#">0478260000</a>
Type	AST 1 6.3/2.8
GTIN (EAN)	4008190003043
Qty.	50 pc(s).

Creation date August 28, 2024 6:13:39 PM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

## AST 1 6.3/2.8

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## Technical data

## Dimensions and weights

Depth	46 mm	Depth (inches)	1.811 inch
Height	58 mm	Height (inches)	2.283 inch
Width	6.5 mm	Width (inches)	0.256 inch
Net weight	10.84 g		

## Temperatures

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

## Material data

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

## Additional technical data

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

## CSA rating data

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

## Conductors for clamping (additional connection)

Connection type, additional connection Flat-blade connection

## Conductors for clamping (rated connection)

Clamping range, max.	2.5 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Connection direction	top	Number of connections	4
Type of connection	Flat-blade connection	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>		

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## Technical data

### General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 61210, In accordance with IEC 60947-7-1		

### Other connections

Cable-lug connection	Slotted	Rated cross-section spade connector 2.8 mm	1 mm <sup>2</sup>
Rated cross-section spade connector 6.3 mm	2.5 mm <sup>2</sup>		

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	500 V
Rated DC voltage	500 V	Rated 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

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

### Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01
ECLASS 14.0	27-25-01-01		

### Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

### Approvals

Approvals



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

**Data sheet****AST 1 6.3/2.8****Weidmüller Interface GmbH & Co. KG**  
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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DNVGL certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**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.	<a href="#">2007120000</a>		Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104		
Qty.	600 pc(s).		

## AST 1 6.3/2.8

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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 5/6 MC NE GE	Version
Order No.	<a href="#">1238280000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118038750	Weidmueller, yellow
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE OR	Version
Order No.	<a href="#">1912090000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248540525	Weidmueller, orange
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE WS	Version
Order No.	<a href="#">1609820000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE GN	Version
Order No.	<a href="#">1238310000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118271812	Weidmueller, green
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE BL	Version
Order No.	<a href="#">1238290000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118267327	Weidmueller, blue
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE BR	Version
Order No.	<a href="#">1454900000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323313	Weidmueller, brown
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE GR	Version
Order No.	<a href="#">1238330000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323306	Weidmueller, grey
Qty.	1,000 pc(s).	

**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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- 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.	<a href="#">2007130000</a>		Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012		
Qty.	500 pc(s).		

**AST 1 6.3/2.8**

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**Accessories**

**Blank**



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**General ordering data**

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

**Insulation sleeves**

With insulating sleeve for cable lug, an increase of the rated voltage within the application is possible.



**General ordering data**

Type	IH 2.8 DB	Version
Order No.	<a href="#">0386060000</a>	W-Series, Insulating sleeve
GTIN (EAN)	4008190043414	
Qty.	100 pc(s).	
Type	IH 4.8 DB	Version
Order No.	<a href="#">0386160000</a>	W-Series, Insulating sleeve
GTIN (EAN)	4008190141004	
Qty.	100 pc(s).	
Type	IH 6.3 WEM GE	Version
Order No.	<a href="#">0386260000</a>	W-Series, Insulating sleeve
GTIN (EAN)	4008190164256	
Qty.	100 pc(s).	

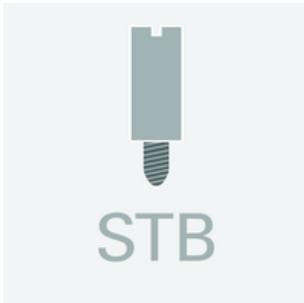
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**Accessories**

**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	STB 14/D5/2.3/M3 SAK2.5	Version
Order No.	<a href="#">016860000</a>	SAK Series, Socket
GTIN (EAN)	4008190135225	
Qty.	50 pc(s).	

**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.	<a href="#">180552000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">180549000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

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**Accessories**

**Blank**



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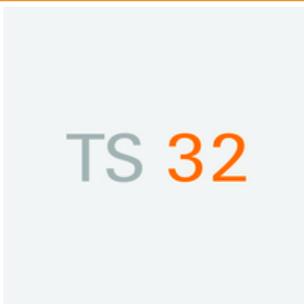
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- Terminal markers, suitable for all Weidmüller cable connectors
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**General ordering data**

Type	DEK 5/6.5 MC NE WS	Version	
Order No.	<a href="#">1609840000</a>		Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203429		Weidmueller, white
Qty.	900 pc(s).		

**TS 32**



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.	<a href="#">0206160000</a>		End bracket, beige, TS 32, V-0, Wemid, Width: 9 mm, 100 °C
GTIN (EAN)	4008190080020		
Qty.	50 pc(s).		

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# Accessories

## Q / SAK



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

### General ordering data

Type	Q 4 SAK4	Version
Order No.	<a href="#">0336900000</a>	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 pc(s).	
Type	Q 10 SAK4	Version
Order No.	<a href="#">0368800000</a>	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 pc(s).	
Type	Q 2 SAK4	Version
Order No.	<a href="#">0336700000</a>	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 pc(s).	
Type	Q 3 SAK4	Version
Order No.	<a href="#">0336800000</a>	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 pc(s).	

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**Accessories**

**Custom printing**



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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 PLUS MC SDR	Version
Order No.	<a href="#">1038650000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248767908	Weidmueller, To customer specification
Qty.	200 pc(s).	
Type	DEK 5/6 MC SDR	Version
Order No.	<a href="#">1609830000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603	Weidmueller, To customer specification
Qty.	200 pc(s).	

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**Accessories**

**Plus**



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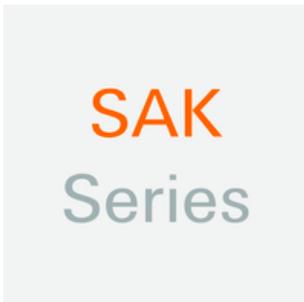
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**General ordering data**

Type	DEK 5/6 PLUS MC NE WS	Version
Order No.	<a href="#">1011320000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248717644	Weidmueller, white
Qty.	1,000 pc(s).	

**SAK-Series**



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

**General ordering data**

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

## AST 1 6.3/2.8

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## Accessories

## SAK-Series



SAK  
Series

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

## General ordering data

Type	AP AST1+5 DB	Version
Order No.	<a href="#">0266400000</a>	End plate (terminals), dark beige, Height: 58 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190176488	Wemid
Qty.	20 pc(s).	

## Test plugs



PS

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.	<a href="#">0180400000</a>	Test adapter (terminal), 230 V, 20 mA
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	

**Custom printing**



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**General ordering data**

Type	DEK 5/6.5 MC SDR	Version	
Order No.	<a href="#">1609850000</a>		Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190456610		Weidmueller, To customer specification
Qty.	180 pc(s).		