AAP13 6 LO-LO DL

The unique modular concept can be tailored to every type of machine. The potential distribution terminal blocks AAP are successful thanks to their uniform design with two possible constructions – alternating or grouped. With the alternating design of the control voltage distribution, both potentials are located on only one terminal block.

General ordering data

Version	Supply terminal, PUSH IN, 6 mm², 250 V, 41 A, dark beige
Order No.	2675540000
Type	AAP13 6 LO-LO DL
GTIN (EAN)	4050118733655
Qty.	20 items

Weidmüller ⋝⋲

AAP13 6 LO-LO DL

Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	47 mm	Depth (inches)	1.8504 inch
Depth including DIN rail	48 mm	Height	47 mm
Height (inches)	1.8504 inch	Width	8.1 mm
Width (inches)	0.3189 inch	Net weight	24 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV17ATEX8030U	Certificate No. (IECEX)	IECEXTUR17.0015U
Max. voltage (ATEX)	220 V	Current (ATEX)	33 A
Wire cross section max. (ATEX)	6 mm²	Max. voltage (IECEX)	220 V
Current (IECEX)	33 A	Wire cross section max. (IECEX)	6 mm²
Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 2 G D

System specifications

End cover plate required	Yes	Number of potentials	2
Number of levels	1	Number of clamping points per level	4
Number of potentials per tier	2	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
PE function	No		

Additional technical data

Open sides	right	Explosion-tested version	Yes

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5

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AAP13 6 LO-LO DL

Technical data

Wire connection cross section AWG, max.	AWG 8		
Connection direction	top		
Stripping length	12 mm		
Type of connection 2	PUSH IN		
Type of connection	PUSH IN		
Number of connections	2		
Clamping range, max.	6 mm²		
Clamping range, min.	0.34 mm²		
Blade size	1.0 x 5.5 mm		
Wire connection cross section AWG, min.	AWG 22		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.34 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.34 mm²		
Wire connection cross section, finely stranded, max.	6 mm²		
Wire connection cross section, finely stranded, min.	0.34 mm²		
Connection cross-section, stranded, max.	6 mm²		
Connection cross-section, stranded, min.	0.34 mm²		
Twin wire-end ferrules, max.	1.5 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Wire connection cross-section, solid core, max.	6 mm²		
Wire connection cross-section, solid core, min.	0.34 mm²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	min.	4 mm²
		max.	6 mm²
Tube length for twin wire-end ferrule	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	1 mm²

AAP13 6 LO-LO DL

Technical data

		max.	1.5 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	10 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	4 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm²
		max.	10 mm²

General

|			
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
Standards	In accordance with IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	6 mm²	Rated voltage	250 V
Rated DC voltage	250 V	Nominal current	41 A
Current at maximum wires	41 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	1.31 W		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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	27-25-01-19	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		
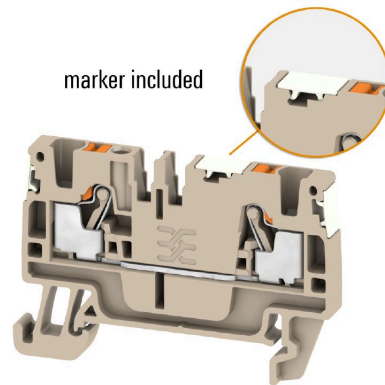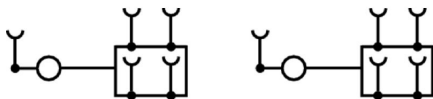
AAP13 6 LO-LO DL

Drawings

marker included

AAP13 6 LO-LO DL

Accessories

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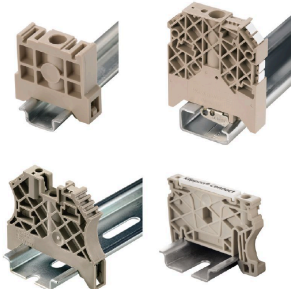
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	AEB 35 SC/1	Version	
Order No.	1991920000	A-series, End bracket	
GTIN (EAN)	4050118376722		
Qty.	50 ST		

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	ZQV 1.5N/2 BL	Version	
Order No.	1985530000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 2,	
GTIN (EAN)	4050118370423	Pitch in mm (P): 3.50, Insulated: Yes, Width: 5.5 mm	
Qty.	60 ST		
Type	ZQV 1.5N/2 RD	Version	
Order No.	1985650000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 2,	
GTIN (EAN)	4050118370324	Pitch in mm (P): 3.50, Insulated: Yes, Width: 5.5 mm	
Qty.	60 ST		
Type	ZQV 1.5N/3 BL	Version	
Order No.	1985550000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 3,	
GTIN (EAN)	4050118370485	Pitch in mm (P): 3.50, Insulated: Yes, Width: 9 mm	
Qty.	60 ST		
Type	ZQV 1.5N/3 RD	Version	
Order No.	1985670000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 3,	
GTIN (EAN)	4050118370348	Pitch in mm (P): 3.50, Insulated: Yes, Width: 9 mm	
Qty.	60 ST		
Type	ZQV 1.5N/4 BL	Version	
Order No.	1985570000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 4,	
GTIN (EAN)	4050118370317	Pitch in mm (P): 3.50, Insulated: Yes, Width: 12.5 mm	
Qty.	60 ST		

AAP13 6 LO-LO DL

Accessories

Type	ZQV 1.5N/4 RD	Version	
Order No.	1985690000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 4,	
GTIN (EAN)	4050118370515	Pitch in mm (P): 3.50, Insulated: Yes, Width: 12.5 mm	
Qty.	60 ST		
Type	ZQV 1.5N/5 BL	Version	
Order No.	1985590000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 5,	
GTIN (EAN)	4050118370430	Pitch in mm (P): 3.50, Insulated: Yes, Width: 16 mm	
Qty.	20 ST		
Type	ZQV 1.5N/5 RD	Version	
Order No.	1985710000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 5,	
GTIN (EAN)	4050118370256	Pitch in mm (P): 3.50, Insulated: Yes, Width: 16 mm	
Qty.	20 ST		
Type	ZQV 1.5N/6 BL	Version	
Order No.	1985610000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 6,	
GTIN (EAN)	4050118370492	Pitch in mm (P): 3.50, Insulated: Yes, Width: 19.5 mm	
Qty.	20 ST		
Type	ZQV 1.5N/6 RD	Version	
Order No.	1985730000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 6,	
GTIN (EAN)	4050118370454	Pitch in mm (P): 3.50, Insulated: Yes, Width: 19.5 mm	
Qty.	20 ST		
Type	ZQV 1.5N/7 BL	Version	
Order No.	1985630000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 7,	
GTIN (EAN)	4050118370522	Pitch in mm (P): 3.50, Insulated: Yes, Width: 23 mm	
Qty.	20 ST		
Type	ZQV 1.5N/7 RD	Version	
Order No.	1985750000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 7,	
GTIN (EAN)	4050118370249	Pitch in mm (P): 3.50, Insulated: Yes, Width: 23 mm	
Qty.	20 ST		
Type	ZQV 1.5N/8 BL	Version	
Order No.	1985640000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 8,	
GTIN (EAN)	4050118370461	Pitch in mm (P): 3.50, Insulated: Yes, Width: 26.5 mm	
Qty.	20 ST		
Type	ZQV 1.5N/8 RD	Version	
Order No.	1985770000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 8,	
GTIN (EAN)	4050118370508	Pitch in mm (P): 3.50, Insulated: Yes, Width: 26.5 mm	
Qty.	20 ST		
Type	ZQV 1.5N/9 BL	Version	
Order No.	1985660000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 9,	
GTIN (EAN)	4050118370478	Pitch in mm (P): 3.50, Insulated: Yes, Width: 30 mm	
Qty.	20 ST		
Type	ZQV 1.5N/9 RD	Version	
Order No.	1985790000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 9,	
GTIN (EAN)	4050118370386	Pitch in mm (P): 3.50, Insulated: Yes, Width: 30 mm	
Qty.	20 ST		
Type	ZQV 1.5N/10 BL	Version	
Order No.	1985680000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles:	
GTIN (EAN)	4050118370539	10, Pitch in mm (P): 3.50, Insulated: Yes, Width: 33.5 mm	
Qty.	20 ST		
Type	ZQV 1.5N/10 RD	Version	
Order No.	1985800000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles:	
GTIN (EAN)	4050118370393	10, Pitch in mm (P): 3.50, Insulated: Yes, Width: 33.5 mm	
Qty.	20 ST		

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Accessories

Type	ZQV 1.5N/20 BL	Version	
Order No.	1985700000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles:	
GTIN (EAN)	4050118370331	20, Pitch in mm (P): 3.50, Insulated: Yes, Width: 70 mm	
Qty.	20 ST		
Type	ZQV 1.5N/20 RD	Version	
Order No.	1985810000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles:	
GTIN (EAN)	4050118370355	20, Pitch in mm (P): 3.50, Insulated: Yes, Width: 70 mm	
Qty.	20 ST		
Type	ZQV 1.5N/50 BL	Version	
Order No.	1985720000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles:	
GTIN (EAN)	4050118370546	50, Pitch in mm (P): 3.50, Insulated: Yes, Width: 175 mm	
Qty.	5 ST		
Type	ZQV 1.5N/50 RD	Version	
Order No.	1985820000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles:	
GTIN (EAN)	4050118370270	50, Pitch in mm (P): 3.50, Insulated: Yes, Width: 175 mm	
Qty.	5 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 5/8 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 ST		

AAP13 6 LO-LO DL

Accessories

Custom printing

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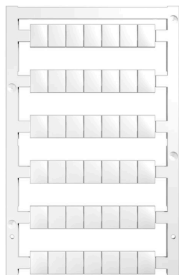
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

• 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 5/8 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 ST		
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 ST		

Blank

WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text.

WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

• Can be fitted in strips or individually
• Markers in proven MultiCard format

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	WS 10/8 PLUS MC NE WS	Version	
Order No.	1905950000	WS, Terminal marker, 10 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,	
GTIN (EAN)	4032248528103	white	
Qty.	420 ST		

AAP13 6 LO-LO DL

Accessories

Custom printing

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WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.
• Can be fitted in strips or individually
• Markers in proven MultiCard format
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	WS 10/8 PLUS MC SDR	Version
Order No.	1906030000	WS, Terminal marker, 10 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,
GTIN (EAN)	4032248528196	To customer specification
Qty.	84 ST	

End plates and partition plates

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	AEP AP13	Version
Order No.	1990140000	A-series, End plate
GTIN (EAN)	4050118375152	
Qty.	20 ST	

6mm² to 1.5mm²

The unique modular concept can be tailored to every type of machine. The potential distribution terminal blocks AAP are successful thanks to their uniform design with two possible constructions – alternating or grouped. With the alternating design of the control voltage distribution, both potentials are located on only one terminal block.

AAP13 6 LO-LO DL

Accessories

General ordering data

| Type	AAP13 1.5 LI-LI	Version	
Order No.	1988280000	Modular distribution terminals, PUSH IN, 1.5 mm², 250 V, 16 A, dark	
GTIN (EAN)	4050118372878	beige	
Qty.	50 ST		

Digital current clamp devices

Digital current clamp devices and attachments and adapters are used for measuring AC and DC currents. The significant advantage of these devices is that you can make a measurement without breaking the flow of current.

General ordering data

Type	ZUB MULTIMETER	Version
Order No.	9205270000	Multimeter
GTIN (EAN)	4032248723522	
Qty.	1 ST	

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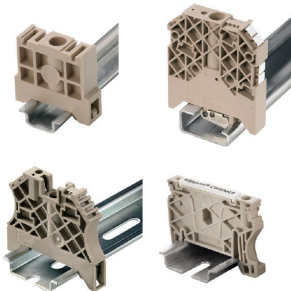
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	AEB 35 SC/1 BK	Version
Order No.	2475310000	A-series, End bracket
GTIN (EAN)	4050118487114	
Qty.	50 ST	

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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 snaped 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		

Warning cover
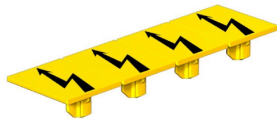
Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	AAM 6 YE FLASH	Version	
Order No.	2635570000	A-series, Terminal marker, 13 x 8.1 mm, Pitch in mm (P): 8.00 yellow	
GTIN (EAN)	4050118674514		
Qty.	40 ST		

End bracket
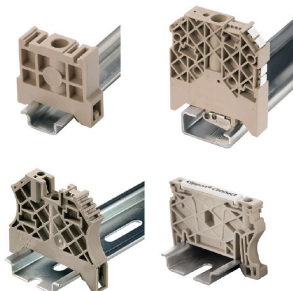
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Accessories

General ordering data

Type	AEB 35 SCL/1 V0	Version	
Order No.	2661280000	A-series, End bracket	
GTIN (EAN)	4050118702163		
Qty.	20 ST		

Type	AEB 35 SCL/1 V0 BK	Version	
Order No.	2661300000	A-series, End bracket	
GTIN (EAN)	4050118702187		
Qty.	20 ST		

Type	AEB 35 SCL/1 V0 GY	Version	
Order No.	2661290000	A-series, End bracket	
GTIN (EAN)	4050118702170		
Qty.	20 ST		

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 ST	

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.

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Catalogue status / Drawings

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Accessories

General ordering data

Type	ZQV 1.5N/7	Version	
Order No.	1985520000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of	
GTIN (EAN)	4050118370195	poles: 7, Pitch in mm (P): 3.50, Insulated: Yes, Width: 23 mm	
Qty.	20 ST		

End plates and partition plates

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	APP 3	Version
Order No.	2489100000	A-series, Partition plate
GTIN (EAN)	4050118499315	
Qty.	50 ST	

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.4X2.0X60	Version	
Order No.	2749260000	Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade	
GTIN (EAN)	4050118895537	thickness (A): 0.4 mm	
Qty.	1 ST		