

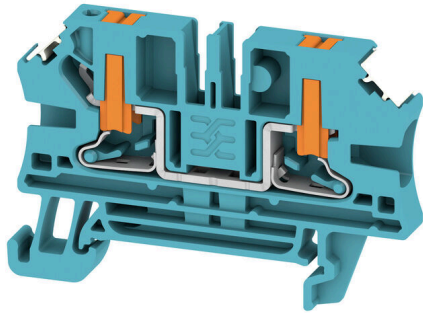
AL2C 4 BL DL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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, PUSH IN, blue, 4 mm ² , 32 A, 1000 V, Number of connections: 2
Order No.	3010220000
Type	AL2C 4 BL DL
GTIN (EAN)	4099986913684
Qty.	50 items

AL2C 4 BL DL

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Technical data

Approvals

Approvals



IECEX



ATEX

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

Depth	39.5 mm	Depth (inches)	1.5551 inch
Height	60 mm	Height (inches)	2.3622 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Net weight	8535 g		

Temperatures

Storage temperature	-25 °C...55 °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	blue
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEX/ATEX

Certificate No. (ATEX)	.	Certificate No. (IECEX)	.
Max. voltage (ATEX)	550 V	Current (ATEX)	28 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	28 A	Wire cross section max. (IECEX)	6 mm ²

System specifications

End cover plate required	Yes	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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Open sides	right	Snap-on	Yes
Type of fixing	Snap-on	Explosion-tested version	No
Type of mounting	TS 35		

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-70089609

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Technical data

Voltage size B (CSA)	600 V	Current size B (CSA)	20 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A4	Wire connection cross section AWG, max.	AWG 12
Connection direction	on side	Stripping length	12 mm
Type of connection	PUSH IN	Number of connections	2
Clamping range, max.	4 mm ²	Clamping range, min.	0.14 mm ²
Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 26
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.14 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.14 mm ²
Wire connection cross section, finely stranded, max.	6 mm ²	Wire connection cross section, finely stranded, min.	0.14 mm ²
Connection cross-section, stranded, max.	40 mm ²	Connection cross-section, stranded, min.	0.14 mm ²
Twin wire-end ferrules, max.	1.5 mm ²	Twin wire-end ferrules, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.14 mm ²
Connection cross-section, finely stranded, min.	0.14 mm ²		

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	4 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size B (cURus)	600 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Current size B (cURus)	20 A	Voltage size C (cURus)	600 V
Current size C (cURus)	20 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	12 AWG		

Technical data

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		

Drawings

Connection diagram



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Accessories

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	ALEP 2C 4	Version
Order No.	2871810000	End plate for terminals, dark beige, Height: 58 mm, Width: 2.1 mm,
GTIN (EAN)	4064675639930	V-0, Wemid, Snap-on: No
Qty.	20 ST	
Type	ALEP 2C 4 BL	Version
Order No.	2871820000	End plate for terminals, blue, Height: 58 mm, Width: 2.1 mm, V-0,
GTIN (EAN)	4064675639947	Wemid, Snap-on: No
Qty.	20 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	Version
Order No.	1991920000	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 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.

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Accessories

General ordering data

Type	ATPG 4 MI-R	Version
Order No.	1991860000	Test adapter (terminal), 1.5 mm ² , 250 V, 0.2 A
GTIN (EAN)	4050118376661	
Qty.	50 ST	
Type	ATPG 1.5-10 L	Version
Order No.	1991890000	Test adapter (terminal), 1.5 mm ² , 250 V, 0.2 A
GTIN (EAN)	4050118376647	
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 4N/10	Version
Order No.	1528090000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles: 10, Pitch in mm (P): 6.10, Insulated: Yes, Width: 58.7 mm
GTIN (EAN)	4050118332896	
Qty.	20 ST	
Type	ZQV 4N/10 BL	Version
Order No.	1528230000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 10, Pitch in mm (P): 6.10, Insulated: Yes, Width: 58.7 mm
GTIN (EAN)	4050118333138	
Qty.	20 ST	
Type	ZQV 4N/2	Version
Order No.	1527930000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles: 2, Pitch in mm (P): 6.10, Insulated: Yes, Width: 9.9 mm
GTIN (EAN)	4050118332766	
Qty.	60 ST	
Type	ZQV 4N/2 BL	Version
Order No.	1528040000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 2, Pitch in mm (P): 6.10, Insulated: Yes, Width: 9.9 mm
GTIN (EAN)	4050118332773	
Qty.	60 ST	
Type	ZQV 4N/3	Version
Order No.	1527940000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles: 3, Pitch in mm (P): 6.10, Insulated: Yes, Width: 16 mm
GTIN (EAN)	4050118332865	
Qty.	60 ST	
Type	ZQV 4N/3 BL	Version
Order No.	1528080000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 3, Pitch in mm (P): 6.10, Insulated: Yes, Width: 16 mm
GTIN (EAN)	4050118333008	
Qty.	60 ST	
Type	ZQV 4N/4	Version
Order No.	1527970000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles: 4, Pitch in mm (P): 6.10, Insulated: Yes, Width: 22.1 mm
GTIN (EAN)	4050118332889	
Qty.	60 ST	

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Accessories

Type	ZQV 4N/4 BL	Version
Order No.	1528120000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 4,
GTIN (EAN)	4050118332872	Pitch in mm (P): 6.10, Insulated: Yes, Width: 22.1 mm
Qty.	60 ST	
Type	ZQV 4N/5	Version
Order No.	1527980000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332759	5, Pitch in mm (P): 6.10, Insulated: Yes, Width: 28.2 mm
Qty.	60 ST	
Type	ZQV 4N/5 BL	Version
Order No.	1528140000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 5,
GTIN (EAN)	4050118333015	Pitch in mm (P): 6.10, Insulated: Yes, Width: 28.2 mm
Qty.	60 ST	
Type	ZQV 4N/50	Version
Order No.	1528130000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332902	50, Pitch in mm (P): 6.10, Insulated: Yes, Width: 303.7 mm
Qty.	5 ST	
Type	ZQV 4N/50 BL	Version
Order No.	1528240000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 50,
GTIN (EAN)	4050118333121	Pitch in mm (P): 6.10, Insulated: Yes, Width: 303.7 mm
Qty.	5 ST	
Type	ZQV 4N/6	Version
Order No.	1527990000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332919	6, Pitch in mm (P): 6.10, Insulated: Yes, Width: 34.3 mm
Qty.	20 ST	
Type	ZQV 4N/6 BL	Version
Order No.	1528170000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 6,
GTIN (EAN)	4050118332926	Pitch in mm (P): 6.10, Insulated: Yes, Width: 34.3 mm
Qty.	20 ST	
Type	ZQV 4N/7	Version
Order No.	1528020000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332780	7, Pitch in mm (P): 6.10, Insulated: Yes, Width: 40.4 mm
Qty.	20 ST	
Type	ZQV 4N/7 BL	Version
Order No.	1528180000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 7,
GTIN (EAN)	4050118333114	Pitch in mm (P): 6.10, Insulated: Yes, Width: 40.4 mm
Qty.	20 ST	
Type	ZQV 4N/8	Version
Order No.	1528030000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332841	8, Pitch in mm (P): 6.10, Insulated: Yes, Width: 46.5 mm
Qty.	20 ST	
Type	ZQV 4N/8 BL	Version
Order No.	1528190000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 8,
GTIN (EAN)	4050118332858	Pitch in mm (P): 6.10, Insulated: Yes, Width: 46.5 mm
Qty.	20 ST	
Type	ZQV 4N/9	Version
Order No.	1528070000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332797	9, Pitch in mm (P): 6.10, Insulated: Yes, Width: 52.6 mm
Qty.	20 ST	
Type	ZQV 4N/9 BL	Version
Order No.	1528220000	Cross-connector (terminal), Plugged, blue, 32 A, Number of poles: 9,
GTIN (EAN)	4050118333107	Pitch in mm (P): 6.10, Insulated: Yes, Width: 52.6 mm
Qty.	20 ST	

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Accessories

Accessories

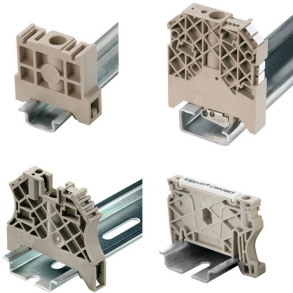


Accessories for testing and measuring equipment

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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General ordering data

Type	APP 2	Version	
Order No.	2489090000	A-series, Partition plate	
GTIN (EAN)	4050118499308		
Qty.	50 ST		

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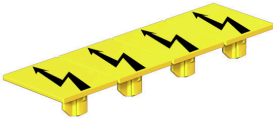
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Accessories

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.

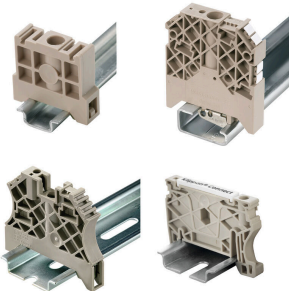


General ordering data

Type	AAM 4 YE FLASH	Version	
Order No.	2635560000	A-series, Terminal marker, 10 x 6.1 mm, Pitch in mm (P): 6.00 yellow	
GTIN (EAN)	4050118674507		
Qty.	40 ST		

End bracket

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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		

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Accessories

Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900, IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIS SLIM 0.6X3.5X100	Version	
Order No.	2749610000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	
GTIN (EAN)	4050118896350		
Qty.	1 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		