ZPS 2.5/1AN/QV/1

Product image

The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

Version	Z-series, Coupling, Rated cross-section: 2.5 mm², Plug-in connection, Direct mounting
Order No.	1861040000
Type	ZPS 2.5/1AN/QV/1
GTIN (EAN)	4032248418435
Qty.	50 items

ZPS 2.5/1AN/QV/1

Technical data

Approvals

Approvals	

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

Dimensions and weights

Depth	42 mm	Depth (inches)	1.6535 inch
Height	28.1 mm	Height (inches)	1.1063 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	3.8 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °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		

System specifications

Version	Plug-in connector, pluggable, Tension-clamp connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	1	Levels cross-connected internally	No
PE connection	No		

Additional technical data

Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Direct mounting		

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-1720292
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	26 AWG		

ZPS 2.5/1AN/QV/1

Technical data

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Stripping length	10 mm
Type of connection	Plug-in connection	Number of connections	1
Clamping range, max.	4 mm²	Clamping range, min.	0.13 mm²
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, min.	0.13 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.13 mm²	Connection cross-section, stranded, min.	0.13 mm²
Wire connection cross-section, solid core, max.	4 mm²	Wire connection cross-section, solid core, min.	0.13 mm²

General

Number of poles	1	Wire connection cross section AWG, max.	AWG 12
Installation advice	Direct mounting	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1, IEC 61984		

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1, IEC 61984
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

Conductor size Factory wiring max. (cURus)	12 AWG	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	Voltage size C (cURus)	300 V
Current size C (cURus)	24 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	12 AWG		

Classifications

ETIM 8.0	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 14.0	27-25-03-90
ECLASS 15.0	27-25-03-90		

Creation date 14.03.2026 12:03:47 MEZ

Weidmüller ⧓

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	ZQV 2.5N/20 GE	Version	
Order No.	1909000000	W-Series, Cross-connector, 24 A	
GTIN (EAN)	4032248535613		
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	ZTA ZT2.5	Version	
Order No.	1827080000	Accessories, Test adapter, 17.5 A	
GTIN (EAN)	4032248411276		
Qty.	25 ST		
Type	ZTA ZT2.5/ZA	Version	
Order No.	1847600000	Accessories, Test adapter, 17.5 A	
GTIN (EAN)	4032248412679		
Qty.	25 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

ZPS 2.5/1AN/QV/1

Accessories

General ordering data

Type	SDS 0.6X3.5X100	Version	
Order No.	9008330000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

Blank
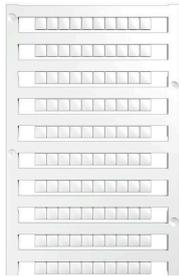
The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy 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 5/5 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		
Type	WS 10/5 MC NE WS	Version	
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190261948	Allen-Bradley, white	
Qty.	720 ST		
Type	ZS 10/5 MC NE WS	Version	
Order No.	1610000000	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190263171	Allen-Bradley, white	
Qty.	480 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 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.

ZPS 2.5/1AN/QV/1

Weidmüller ⊃⊂

Accessories

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		

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 2.5/10	Version	
Order No.	1608940000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190099060		
Qty.	20 ST		
Type	ZQV 2.5/10 RT	Version	
Order No.	2714770000	Z-series, Cross-connector, For the terminals, Number of poles: 10	
GTIN (EAN)	4050118765106		
Qty.	20 ST		
Type	ZQV 2.5/11	Version	
Order No.	1859080000	Z-series, Cross-connector, For the terminals, Number of poles: 11	
GTIN (EAN)	4032248411047		
Qty.	20 ST		
Type	ZQV 2.5/2	Version	
Order No.	1608860000	Z-series, Cross-connector, 24 A	
GTIN (EAN)	4008190123680		
Qty.	60 ST		
Type	ZQV 2.5/2 RT	Version	
Order No.	2714780000	Z-series, Cross-connector, For the terminals, Number of poles: 2	
GTIN (EAN)	4050118765014		
Qty.	60 ST		
Type	ZQV 2.5/20	Version	
Order No.	1908960000	Z-series, Cross-connector, For the terminals, Number of poles: 20	
GTIN (EAN)	4032248535293		
Qty.	20 ST		
Type	ZQV 2.5/20 RT	Version	
Order No.	2714860000	Z-series, Cross-connector, For the terminals, Number of poles: 20	
GTIN (EAN)	4050118764383		
Qty.	20 ST		

Creation date 14.03.2026 12:03:47 MEZ

ZPS 2.5/1AN/QV/1

Accessories

Type	ZQV 2.5/3	Version
Order No.	1608870000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061630	
Qty.	60 ST	

Type	ZQV 2.5/3 RT	Version
Order No.	2714790000	Z-series, Cross-connector, For the terminals, Number of poles: 3
GTIN (EAN)	4050118764390	
Qty.	60 ST	

Type	ZQV 2.5/4	Version
Order No.	1608880000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190082208	
Qty.	60 ST	

Type	ZQV 2.5/4 RT	Version
Order No.	2714800000	Z-series, Cross-connector, For the terminals, Number of poles: 4
GTIN (EAN)	4050118765007	
Qty.	60 ST	

Type	ZQV 2.5/5	Version
Order No.	1608890000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190065713	
Qty.	20 ST	

Type	ZQV 2.5/5 RT	Version
Order No.	2714810000	Z-series, Cross-connector, For the terminals, Number of poles: 5
GTIN (EAN)	4050118764994	
Qty.	20 ST	

Type	ZQV 2.5/50	Version
Order No.	1697540000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190883256	
Qty.	10 ST	

Type	ZQV 2.5/6	Version
Order No.	1608900000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190149840	
Qty.	20 ST	

Type	ZQV 2.5/6 RT	Version
Order No.	2714820000	Z-series, Cross-connector, For the terminals, Number of poles: 6
GTIN (EAN)	4050118764987	
Qty.	20 ST	

Type	ZQV 2.5/7	Version
Order No.	1608910000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190159665	
Qty.	20 ST	

Type	ZQV 2.5/7 RT	Version
Order No.	2714830000	Z-series, Cross-connector, For the terminals, Number of poles: 7
GTIN (EAN)	4050118764970	
Qty.	20 ST	

Type	ZQV 2.5/8	Version
Order No.	1608920000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061531	
Qty.	20 ST	

Type	ZQV 2.5/8 RT	Version
Order No.	2714840000	Z-series, Cross-connector, For the terminals, Number of poles: 8
GTIN (EAN)	4050118762198	
Qty.	20 ST	

Creation date 14.03.2026 12:03:47 MEZ

Weidmüller 〓Ε

Accessories

Type	ZQV 2.5/9		Version	
Order No.	1608930000		Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190117009			
Qty.	20 ST			
Type	ZQV 2.5/9 RT		Version	
Order No.	2714850000		Z-series, Cross-connector, For the terminals, Number of poles: 9	
GTIN (EAN)	4050118764963			
Qty.	20 ST			