

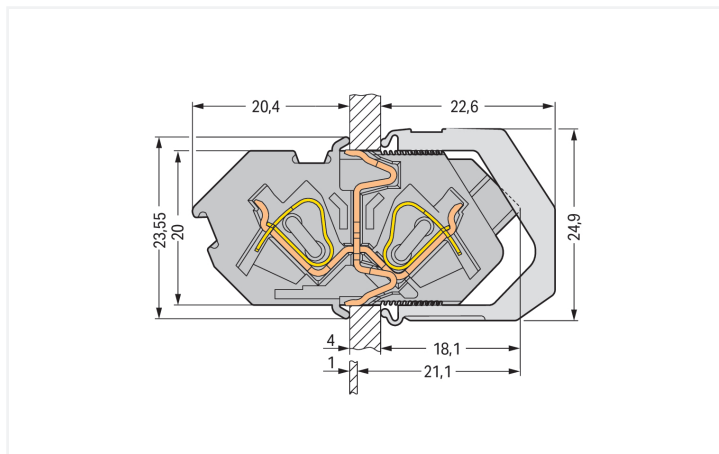
Data Sheet | Item Number: 826-172

Feedthrough terminal block; Conductor/conductor connection; Plate thickness: 1 ...
4 mm; 4 mm²; Pin spacing 7 mm; 12-pole; CAGE CLAMP®; 4,00 mm²; gray

<https://www.wago.com/826-172>

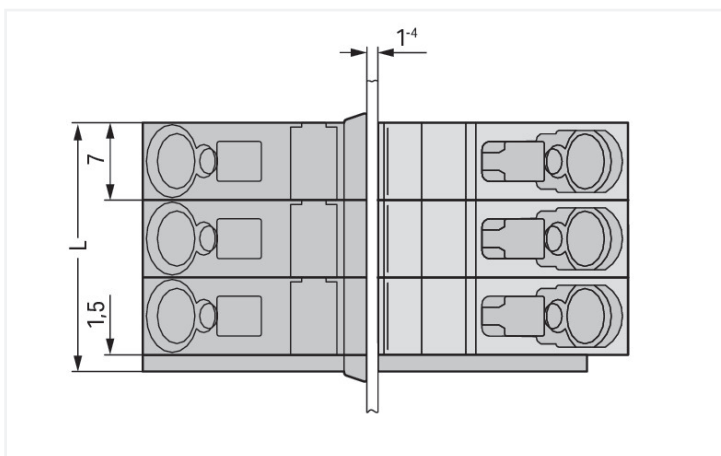


Color: ■ gray



Dimensions in mm

Cut-out dimensions: H = 20.1+0.1 mm; L = (pole no. x 7 mm) + 1.6+0.1 mm



Dimensions in mm

L = (pole no. x 7 mm) + 1.6 mm

Feedthrough terminal block, 826 Series, operating tool

Feedthrough terminal block (item number 826-172) simplifies electrical installations. Ensure that the strip lengths are between 9 and 10 mm when connecting conductors to feedthrough terminal block. This product features two conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection provides a proven and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. Dimensions: (85.5 x 23.55 x 42.5) mm (width x height x depth). Depending on the type of conductor, feedthrough terminal block is ideal for conductor cross sections ranging from 0.08 mm² to 4 mm².

The contact surface is coated with tin.

Notes

Variants:	Other pole numbers Other colors Direct marking Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .
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Electrical data

Ratings per	IEC/EN 60664-1			Ratings per IEC/EN – Notes
Overtoltage category	III	III	II	Ratings (note) Suitable for neutral-grounded, three-phase, 4-wire systems rated at 400 V (conductor-to-conductor) per IEC/EN 60664-1.
Pollution degree	3	2	2	
Nominal voltage	320 V	320 V	630 V	
Rated impulse withstand voltage	4 kV	4 kV	4 kV	
Rated current	32 A	32 A	32 A	

Approvals per	UL 1059			Approvals per	CSA		
Use group	B	C	D	Use group	B	C	D
Rated voltage	300 V	150 V	300 V	Rated voltage	300 V	150 V	300 V
Rated current	20 A	20 A	10 A	Rated current	20 A	20 A	10 A

Connection Data

Clamping units	24	Connection 1	
Total number of potentials	12	Connection technology	CAGE CLAMP®
Number of connection types	2	Actuation type	Operating tool
Number of levels	1	Solid conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
		Fine-stranded conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm ²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ²
		Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
		Pole number	12

Physical data

Pin spacing	7 mm / 0.276 inches
Width	85.5 mm / 3.366 inches
Height	23.55 mm / 0.927 inches
Depth	42.5 mm / 1.673 inches

Mechanical data

Housing sheet thickness	1 ... 4 mm / 0.039 ... 0.157 inches
Mounting type	Locking claw
Mounting type	Feed-through mounting
Suitable for through-panel applications	Yes

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	1.251 MJ
Weight	64.1 g

Environmental requirements	
Limit temperature range	-60 ... +105 °C
Processing temperature	-35 ... +60 °C

Commercial data	
Product Group	4 (Printed Circuit Connectors)
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918532860
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	-	2160584.32	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	-	NTR NL-7136	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL UL International Germany GmbH	UL 1059	E45172			

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	24-0152298-PDA
BV Bureau Veritas S.A.	EN 60947	07436/G0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2
LR Lloyds Register	IEC 61984	96/20035 (E5)
PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 826-172	↓

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 826-172	↓

CAE data	
EPLAN Data Portal 826-172	↓
ZUKEN Portal 826-172	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item No.: 216-241

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-141

Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



Item No.: 216-242

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-262

Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-142

Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



Item No.: 216-243

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-143

Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



Item No.: 216-244

Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-284

Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-144

Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



Item No.: 216-246

Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-266

Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-286

Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-106

Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; silver-colored

1.1.2 Marking

1.1.2.1 Marking strip



Item No.: 210-332/700-103

Marking strips; as a DIN A4 sheet; MARKED; 1-12 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/700-102

Marking strips; as a DIN A4 sheet; MARKED; 12-1 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.1.3 Test and measurement

1.1.3.1 Testing accessories



Item No.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red

1.1.4 Tool

1.1.4.1 Operating tool



Item No.: 210-720

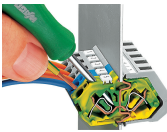
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Item No.: 210-657

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

Installation Notes

Conductor termination



Inserting a conductor.

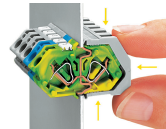
Installation



Insert the terminal strip into the cutout until the stop hits the enclosure wall.



Secure the terminal strip to the inner side of the cutout via retaining clips.



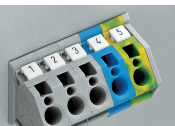
Push retaining clips until stop and press together in the direction of the terminal strip center.

Testing

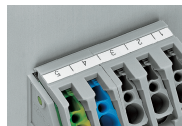


Testing with 2 mm or 2.3 mm Ø test plug.

Marking



Labeling via Mini-WSB makers – directly on the terminal blocks.



Self-adhesive marking strips adhere directly on the retaining clips.

Application



Automatic, double contact of the ground contact to the enclosure wall