

Data Sheet | Item Number: 826-164

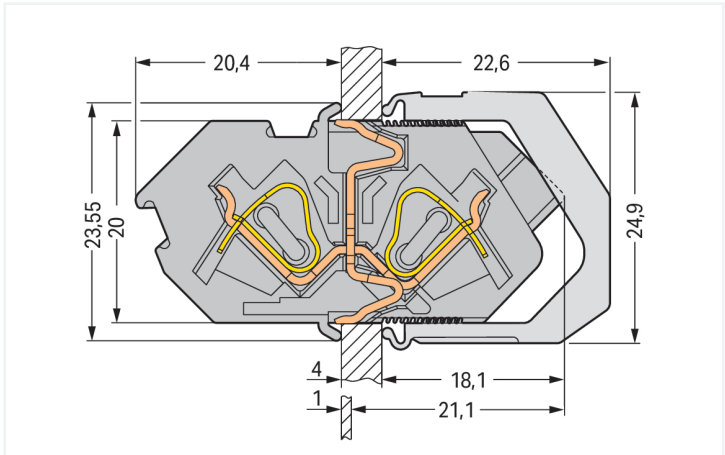
Feedthrough terminal block; Conductor/conductor connection; Plate thickness: 1 ...
4 mm; 4 mm²; Pin spacing 7 mm; 4-pole; CAGE CLAMP®; 4,00 mm²; gray

<https://www.wago.com/826-164>

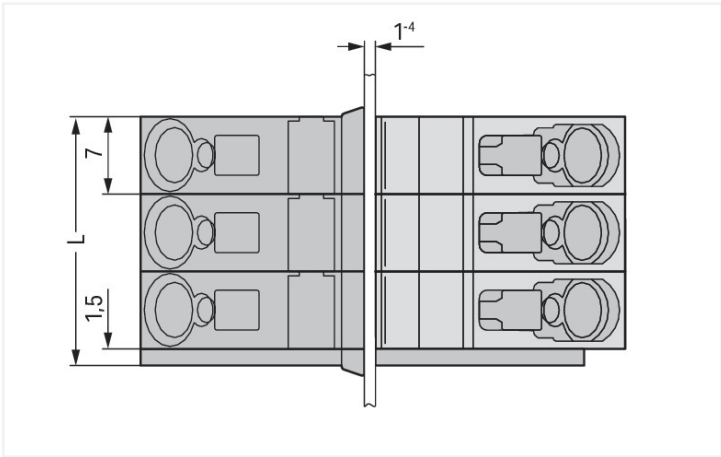


Color: ■ gray

Similar to illustration



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

Durchführungsklemme Serie 826 mit Rastermaß 7 mm

Die Durchführungsklemme hat die Artikelnummer 826-164 und ermöglicht eine einfache und zuverlässige Verbindung. Unsere Durchführungsklemmen ermöglichen Ihnen die größtmögliche Flexibilität bei verschiedenen Montagearten. Bei dieser Durchführungsklemme ist für den Leiteranschluss eine Abisolierlänge im Bereich von 9 bis 10 mm erforderlich. Dieses Produkt mit seinen 2 Leiteranschlüssen verwendet die CAGE CLAMP®-Technologie. Der zuverlässige und wartungsfreie CAGE CLAMP® Universalanschluss bietet die Möglichkeit, alle Arten von Leitern mit einer Käfigzugfeder anzuschließen, ohne, dass eine Vorbehandlung der Leiter erforderlich ist. Das Aufcrimpen von Aderendhülsen kann somit entfallen. Die Abmessungen betragen in Breite x Höhe x Tiefe (29,5 x 23,55 x 42,5) mm. Diese Durchführungsklemme ist in Abhängigkeit von der Leiterart für Leiterquerschnitte von 0,08 mm² bis 4 mm² geeignet. Die Oberfläche der Kontakte ist aus Zinn. Für diese Durchführungsklemme erfolgt die Betätigung per Betätigungswerkzeug.

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/ .



Electrical data

Ratings per		IEC/EN 60664-1			Ratings per IEC/EN – Notes	
Overvoltage 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 surge 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	8	Connection 1	
Total number of potentials	4	Connection technology	CAGE CLAMP®
Number of connection types	2	Actuation type	Operating tool
Number of levels	1	Solid conductor	0.08 ... 4 mm² / 28 ... 12 AWG
		Fine-stranded conductor	0.08 ... 4 mm² / 28 ... 12 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²
		Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
		Pole number	4

Physical data

Pin spacing	7 mm / 0.276 inches
Width	29.5 mm / 1.161 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 Feed-through mounting

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	0.676 MJ
Weight	22.5 g



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

Commercial data	
Product Group	4 (Printed Circuit Connectors)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 8.0	EC001284
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918532747
Customs tariff number	85369010000

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	20-HG1941090-PDA
BV Bureau Veritas S.A.	EN 60947	07436/F0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2
LR Lloyds Register	IEC 61984	96/20035 (E5)



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance 826-164			
Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	
CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 826-164		EPLAN Data Portal 826-164	
		ZUKEN Portal 826-164	
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; uninsulated; 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; 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; 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; 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; 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; 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; 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; 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

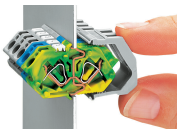


Inserting a conductor.

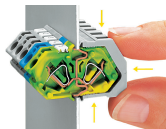
Installation



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.



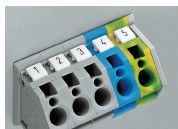
Push retaining clips until stop and press together in the direction of the terminal strip center.

Testing



Testing with 2 mm or 2.3 mm Ø test plug.

Marking

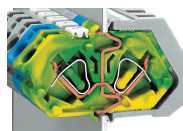


Labeling via Mini-WSB makers – directly on the terminal blocks.



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

Application



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