

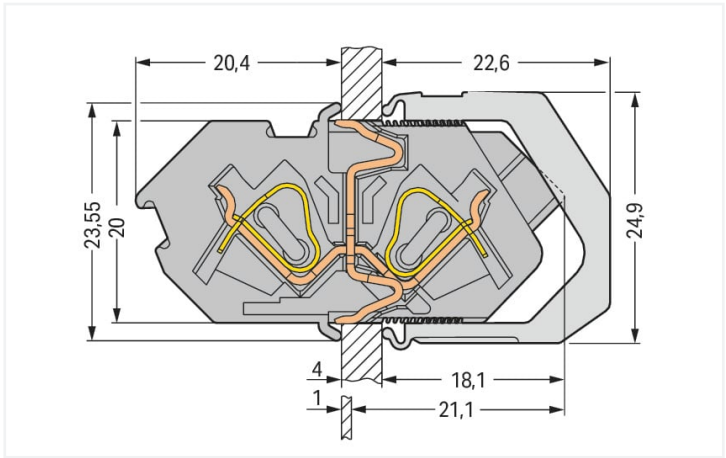
Data Sheet | Item Number: 826-159

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

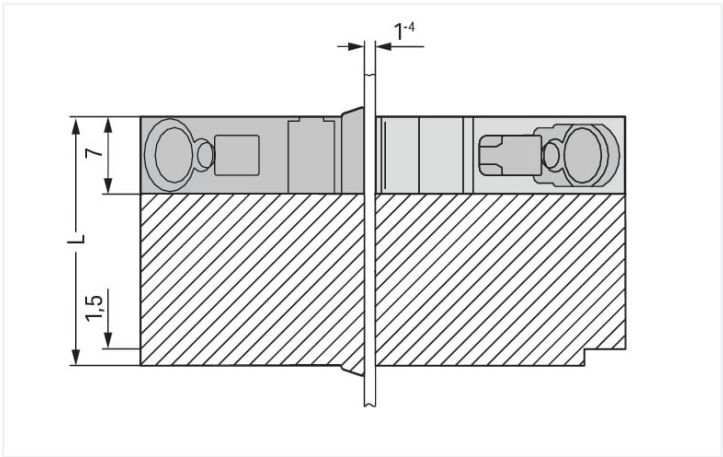
<https://www.wago.com/826-159>



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



- Feedthrough terminal blocks with screwdriver-actuated CAGE CLAMP® on both sides
- Easy, tool-free installation
- Direct ground contact with enclosure/panel
- Test ports available on both sides

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



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

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

Connection data			
Connection points	2	Connection 1	
Total number of potentials	1	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	1

Physical data	
Pin spacing	7 mm / 0.276 inches
Width	8.6 mm / 0.339 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	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	0.112 MJ
Weight	4.7 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 8.0	EC001284	
ETIM 7.0	EC001284	
PU (SPU)	50 (25) pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4044918532433	
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
CCA	-	2160584.32	EU-Declaration of Confor-	-	-
DEKRA Certification B.V.			mity		
CCA	-	NTR NL-7136	WAGO GmbH & Co. KG		
DEKRA Certification B.V.			UK-Declaration of Confor-	-	-
UL	UL 1059	E45172	mity		
UL International Germany GmbH			WAGO GmbH & Co. KG		

Approvals for marine applications		
Approval	Standard	Certificate Name
ABS	EN 60947	20-HG1941090-PDA
American Bureau of Ship-		
ping		
DNV GL	-	TAE00001V2
Det Norske Veritas, Ger-		
manischer Lloyd		
LR	IEC 61984	96/20035 (E5)
Lloyds Register		



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance 826-159			

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 826-159		EPLAN Data Portal 826-159	
		ZUKEN Portal 826-159	

1 Compatible Products		
1.1 Required Accessories		
1.1.1 End plate		
1.1.1.1 End plate		
Item No.: 826-158/000-006 End plate; snap-fit type; 1.5 mm thick; blue	Item No.: 826-158 End plate; snap-fit type; 1.5 mm thick; gray	Item No.: 826-158/000-016 End plate; snap-fit type; 1.5 mm thick; green-yellow

1.1.2 Installation		
1.1.2.1 Mounting accessories		
Item No.: 826-155 Locking cover; 1-pole; gray	Item No.: 826-156 Locking cover; 2-pole; gray	Item No.: 826-157 Locking cover; 3-pole; 3-pole; gray



1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule

 Item No.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	 Item No.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	 Item No.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise
 Item No.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	 Item No.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	 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.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white
 Item No.: 216-141 Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	 Item No.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored	 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; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray
 Item No.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; 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.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored	 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.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	 Item No.: 216-143 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	 Item No.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored
 Item No.: 216-224 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	 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.: 216-124 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated	 Item No.: 216-144 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; 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; uninsulated; electro-tin plated; silver-colored		

1.2.2 Marking

1.2.2.1 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

1.2.3 Test and measurement

1.2.3.1 Testing accessories



Item No.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

1.2.4 Tool

1.2.4.1 Operating tool



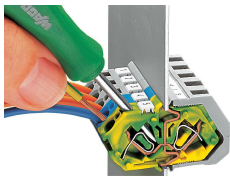
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-657
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

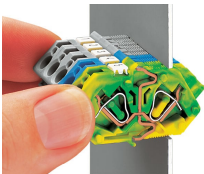
Installation Notes

Conductor termination



Inserting a conductor.

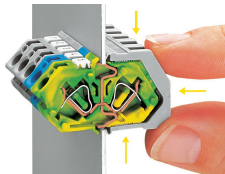
Installation



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.



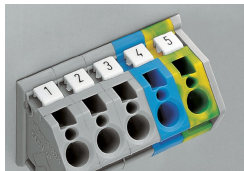
Push retaining clips until stop and press together in the direction of the terminal strip center.

Testing

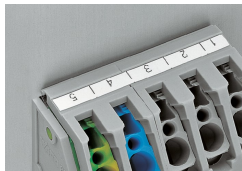


Testing with 2 mm or 2.3 mm Ø test plug.

Marking

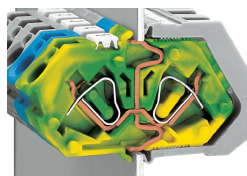


Labeling via Mini-WSB makers – directly on the terminal blocks.



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

Application



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