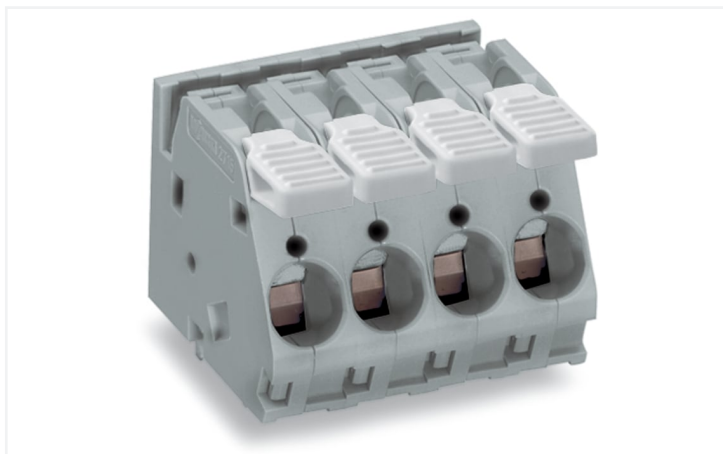


# Data Sheet | Item Number: 2716-153

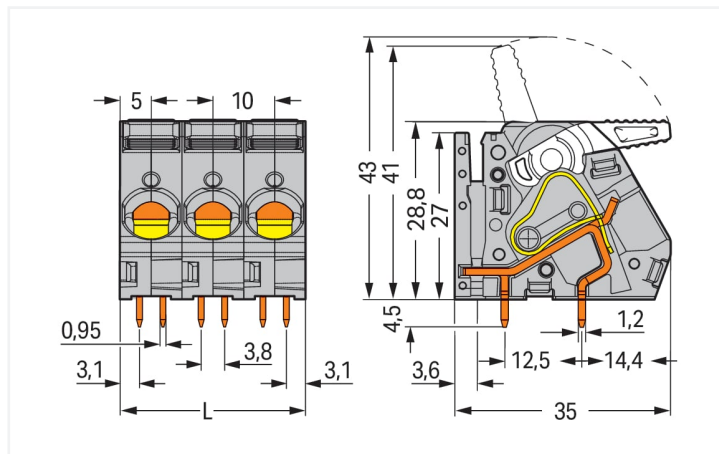
PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 10 mm; 3-pole; CAGE CLAMP®; commoning option; 16,00 mm<sup>2</sup>; gray

<https://www.wago.com/2716-153>



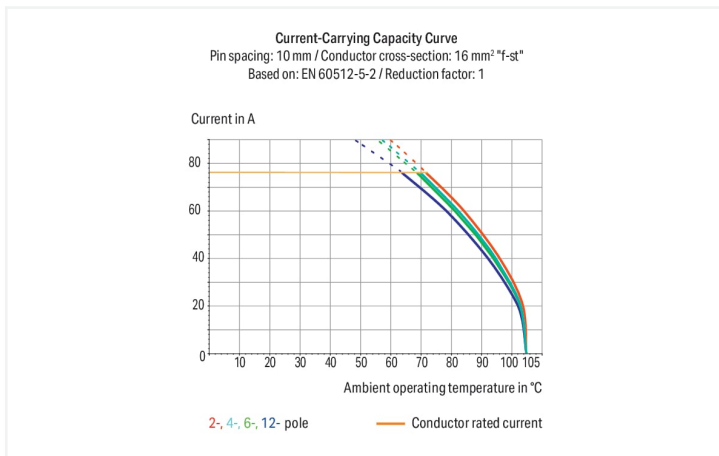
Color: ■ gray

Similar to illustration



Dimensions in mm

L = pole no. x pin spacing



- High-current PCB terminal strips with lever-actuated CAGE CLAMP® connection
- Tool-free termination – fingers open/close levers
- Several clamping units can be held open simultaneously, simplifying the connection of multi-core cables
- Four solder pins per contact point for high mechanical stability
- 600 V UL for 15 mm pin spacing
- Versions with optional commoning for distributing potentials

## Notes

Variants:

Mixed-color PCB connector strips  
Direct marking  
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.  
Other pole numbers  
Other colors

## Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	76 A	76 A	76 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	150 V	300 V
Rated current	55 A	55 A	10 A

## Connection data

Clamping units	3
Total number of potentials	3
Number of connection types	1
Number of levels	1
Number of jumper slots	1

## Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Solid conductor	1.5 ... 16 mm <sup>2</sup> / 16 ... 6 AWG
Fine-stranded conductor	1.5 ... 16 mm <sup>2</sup> / 16 ... 6 AWG
Fine-stranded conductor; with insulated ferrule	1.5 ... 10 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	1.5 ... 10 mm <sup>2</sup>
Strip length	12 ... 13 mm / 0.47 ... 0.51 inches
Conductor connection direction to PCB	30°
Pole number	3

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 inches
Height	33.3 mm / 1.311 inches
Height from the surface	28.8 mm / 1.134 inches
Depth	35 mm / 1.378 inches
Solder pin length	4.5 mm
Solder pin dimensions	0.95 x 1.2 mm
Drilled hole diameter with tolerance	1.6 <sup>(+0.1)</sup> mm

## PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	4

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
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 <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.568 MJ
Weight	31.4 g

## Environmental requirements

Limit temperature range	-60 ... +105 °C
-------------------------	-----------------

Commercial data	
Product Group	4 (Printed Circuit Connectors)
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 8.0	EC002643
PU (SPU)	32 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454739348
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7131
CSA DEKRA Certification B.V.	C22.2 No. 158	1132097
cURus Underwriters Laboratories Inc.	UL 1059	E45172
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-117512

### Downloads

#### Environmental Product Compliance


Compliance Search	
Environmental Product Compliance 2716-153	<a href="#">↓</a>

### Documentation


Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	<a href="#">↓</a>

CAD/CAE-Data


**CAD data**


2D/3D Models  
2716-153 

**CAE data**

ZUKEN Portal  
2716-153 

**PCB Design**

Symbol and Footprint  
via SamacSys  
2716-153 

Symbol and Footprint  
via Ultra Librarian  
2716-153 

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



**Item No.: 216-264**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / 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 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-289**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-209**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; red



**Item No.: 216-109**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; un-insulated; electro-tin plated



**Item No.: 216-266**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / 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 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item No.: 216-267**  
Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-287**  
Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-208**  
Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



**Item No.: 216-288**  
Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



**Item No.: 216-108**  
Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; un-insulated; electro-tin plated; silver-colored

1.1.2 Jumper

1.1.2.1 Jumper



**Item No.: 745-582**  
Jumper; 2-way; silver-colored



**Item No.: 745-682**  
Jumper; 2-way; unplated; silver-colored



**Item No.: 745-583**  
Jumper; 3-way; silver-colored



**Item No.: 745-584**  
Jumper; 4-way; unplated; silver-colored



**Item No.: 745-585**  
Jumper; 5-way; unplated; silver-colored

### 1.1.3 Test and measurement

#### 1.1.3.1 Testing accessories

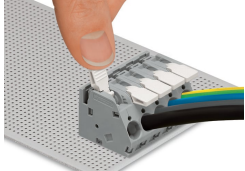


Item No.: 210-136

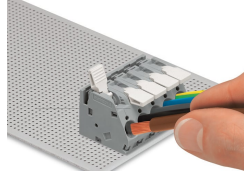
Test plug; 2 mm Ø; with 500 mm cable; red

### Installation Notes

#### Conductor termination

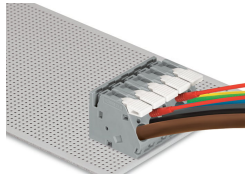


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



Inserting/removing a conductor – 2706 and 2716 Series.

#### Testing

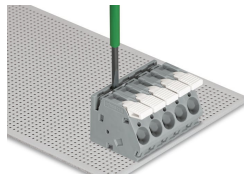


Testing with test plug – 2706 and 2716 Series.

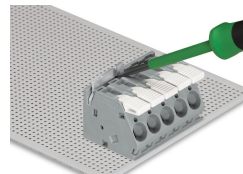
#### Commoning



Inserting a comb-style jumper bar.



Push jumper bar down firmly using a screwdriver until it hits the backstop – 2706 and 2716 Series.



To remove the comb-style jumper bar, lift it up using a screwdriver – 2706 and 2716 Series.