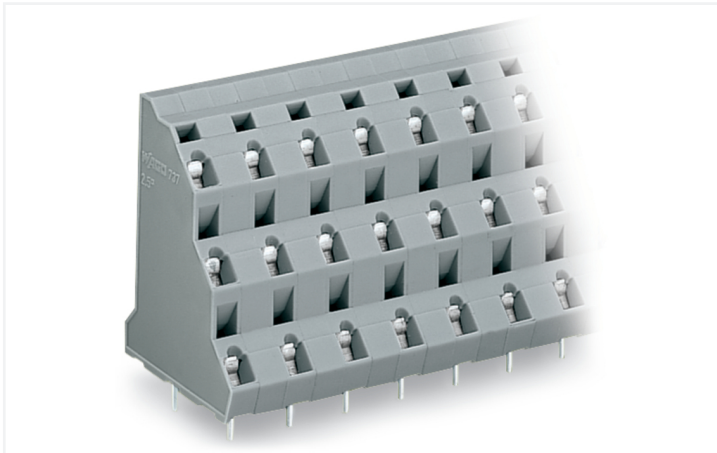


## Data Sheet | Item Number: 737-753

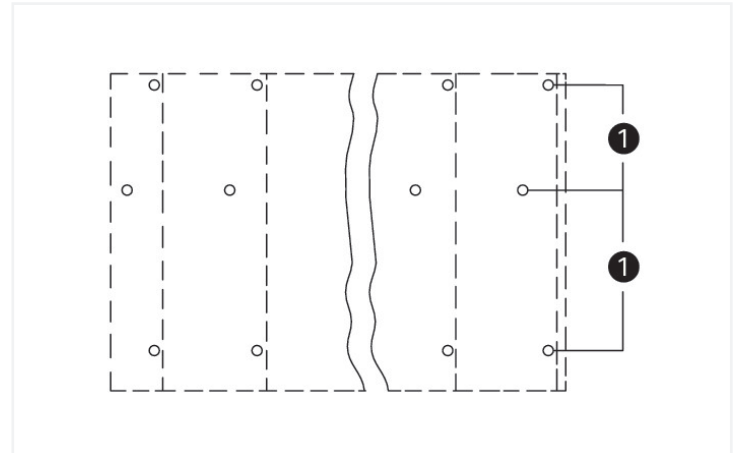
Triple-deck PCB terminal block; 2.5 mm<sup>2</sup>; Pin spacing 10 mm; 9-pole; CAGE CLAMP®; gray

<https://www.wago.com/737-753>

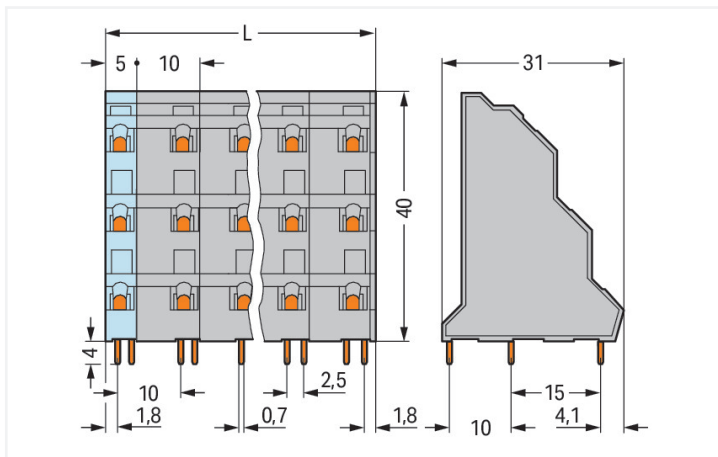


Color: ■ gray

Similar to illustration



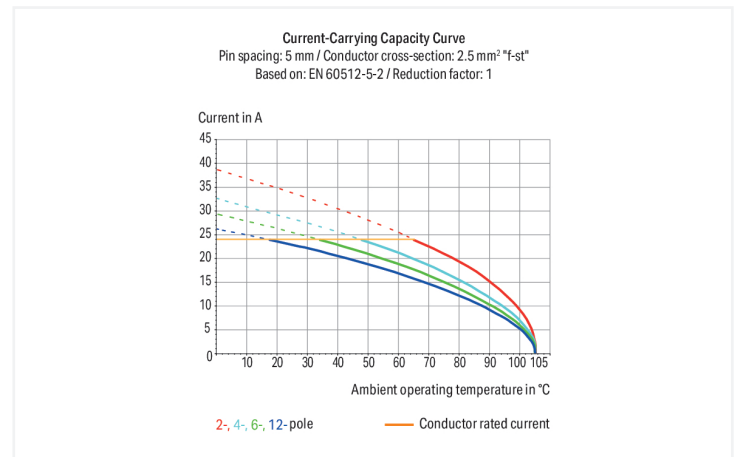
(1) Solder pins for deck 2 staggered by half the pin spacing



Dimensions in mm

$L = ((\text{pole no.} / 3) - 1) \times \text{pin spacing} + 5 \text{ mm} + 1 \text{ mm}$

PCB terminal block, 737 Series, solder pin dimensions 0.7 x 0.7 mm



Our PCB terminal block (item number 737-753) ensures effortless electrical installations. It is a universal connector that can be used almost anywhere, for example, as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Rated current and voltage are important parameters when choosing a PCB terminal block, as they indicate possible applications and uses. This product has a rated voltage of 1000 V and a rated current of 21 A, making it suitable for high-load applications. Ensure that the strip lengths are between 5 mm and 6 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with CAGE CLAMP®, this product delivers reliable performance. Our CAGE CLAMP® connection offers a safe 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. The item's dimensions are 26 x 44 x 31 mm (width x height x depth). Depending on the conductor type, this PCB terminal block is ideal for conductor cross sections ranging from 0.08 mm<sup>2</sup> to 2.5 mm<sup>2</sup>. Up to nine potentials / nine poles can be connected to this terminal strip using nine clamping points on three levels. The gray housing is made of polyamide (PA66) for insulation, the contacts are made of electrolytic copper (ECu), and the clamping spring is made of chrome-nickel spring steel (CrNi). The contact surface is coated with tin. This PCB terminal block is operated with an operating tool. THT is used to solder the PCB terminal block. The conductor is designed to be inserted into the board at an angle of 45°. The solder pins measure 0.7 x 0.7 mm in cross-section and 4 mm in length and are laid out within the terminal block (staggered). There are one solder pin per potential.



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

Electrical data							
Ratings between the modules				Ratings between the decks			
Ratings per	IEC/EN 60664-1	IEC/EN 60664-1	IEC/EN 60664-1	Ratings per	IEC/EN 60664-1	IEC/EN 60664-1	IEC/EN 60664-1
Overvoltage category	III	III	II	Overvoltage category	III	III	II
Pollution degree	3	2	2	Pollution degree	3	2	2
Nominal voltage	630 V	1000 V	1000 V	Nominal voltage	320 V	320 V	630 V
Rated surge voltage	8 kV	8 kV	8 kV	Rated surge voltage	4 kV	4 kV	4 kV
Rated current	21 A	21 A	21 A	Rated current	21 A	21 A	21 A
Approvals per UL 1059				Approvals per CSA			
Use group	B	C	D	Use group	B	C	D
Rated voltage	300 V	-	300 V	Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A	Rated current	10 A	-	10 A

Connection data		Connection 1	
Clamping units	9	Connection technology	CAGE CLAMP®
Total number of potentials	9	Actuation type	Operating tool
Number of connection types	1	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Number of levels	3	Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²
		Note (conductor cross-section)	12 AWG: THHN, THWN
		Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
		Conductor connection direction to PCB	45 °
		Pole number	9

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	26 mm / 1.024 inches
Height	44 mm / 1.732 inches
Height from the surface	40 mm / 1.575 inches
Depth	31 mm / 1.22 inches
Solder pin length	4 mm
Solder pin dimensions	0.7 x 0.7 mm
Drilled hole diameter with tolerance	1.3 (+0.1) mm



PCB contact		
PCB contact		THT
Solder pin arrangement		within the terminal block (staggered)
Number of solder pins per potential		1

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		0.273 MJ
Weight		15.6 g

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

Commercial data		
Product Group		4 (Printed Circuit Connectors)
PU (SPU)		40 pcs
Packaging type		Box
Country of origin		PL
GTIN		4045454019822
Customs tariff number		85369010000

Product classification		
UNSPSC		39121409
eCl@ss 10.0		27-44-04-01
eCl@ss 9.0		27-44-04-01
ETIM 9.0		EC002643
ETIM 8.0		EC002643
ECCN		NO US CLASSIFICATION

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-7960
CCA DEKRA Certification B.V.	EN 60947-7-4	2169331.28
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL 7445
CSA DEKRA Certification B.V.	C22.2 No. 158	70049157
UR Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
DNV DNV GL SE	-	TAE000016Z

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product  
Compliance 737-753



Documentation

Additional Information




Technical Section	03.04.2019	pdf 2027.26 KB	
Gebrückte Klemmen- leisten für Leiterplatten		pdf 303.71 KB	



CAD/CAE-Data	
<div>CAD data</div> <div>2D/3D Models 737-753</div> <div>↓</div>	<div>CAE data</div> <div>EPLAN Data Portal 737-753</div> <div>↓</div>
	<div>ZUKEN Portal 737-753</div> <div>↓</div>

PCB Design	
<div>Symbol and Footprint via SamacSys 737-753</div> <div>↓</div>	
<div>Symbol and Footprint via Ultra Librarian 737-753</div> <div>↓</div>	

1 Compatible Products
1.1 Optional Accessories
1.1.1 Ferrule
1.1.1.1 Ferrule

 <div><a href="#">Item No.: 216-301</a> Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</div>	 <div><a href="#">Item No.: 216-321</a> Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</div>	 <div><a href="#">Item No.: 216-151</a> Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated</div>	 <div><a href="#">Item No.: 216-131</a> Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored</div>
 <div><a href="#">Item No.: 216-302</a> Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</div>	 <div><a href="#">Item No.: 216-322</a> Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</div>	 <div><a href="#">Item No.: 216-132</a> Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</div>	 <div><a href="#">Item No.: 216-152</a> Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</div>
 <div><a href="#">Item No.: 216-201</a> Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white</div>	 <div><a href="#">Item No.: 216-241</a> 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</div>	 <div><a href="#">Item No.: 216-221</a> Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white</div>	 <div><a href="#">Item No.: 216-141</a> Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div>
 <div><a href="#">Item No.: 216-101</a> Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored</div>	 <div><a href="#">Item No.: 216-121</a> Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored</div>	 <div><a href="#">Item No.: 216-242</a> 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</div>	 <div><a href="#">Item No.: 216-262</a> 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</div>
 <div><a href="#">Item No.: 216-202</a> Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</div>	 <div><a href="#">Item No.: 216-222</a> Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</div>	 <div><a href="#">Item No.: 216-142</a> Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div>	 <div><a href="#">Item No.: 216-102</a> Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored</div>
 <div><a href="#">Item No.: 216-122</a> Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored</div>	 <div><a href="#">Item No.: 216-243</a> Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</div>	 <div><a href="#">Item No.: 216-263</a> Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</div>	 <div><a href="#">Item No.: 216-203</a> Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</div>



1.1.1.1 Ferrule



**Item No.: 216-223**  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



**Item No.: 216-103**  
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated



**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.: 216-204**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



**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.: 216-104**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-106**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored

1.1.2 Marking

1.1.2.1 Marking strip



**Item No.: 210-332/1000-202**  
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/1000-204**  
Marking strips; as a DIN A4 sheet; MARKED; 17-31 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/1000-206**  
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.1.3 Tool

1.1.3.1 Operating tool



**Item No.: 210-658**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured



**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

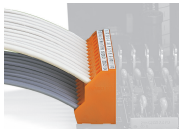
Installation Notes

Conductor termination



Inserting a conductor via 3.5 mm screwdriver.  
Screwdriver actuation parallel to conductor entry

Installation



Low space requirements due to high-density design  
Double-deck PCB terminal strip – 736 Series



**Possible combination:**  
Double- (736 Series) and triple-deck PCB terminal strips (737 Series) upon request



**Possible combination:**  
Double- (736 Series) and triple-deck PCB terminal strips (737 Series) upon request

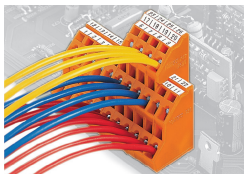


**Possible combination:**  
Double- (737 Series) and quadruple-deck PCB terminal strips (738 Series) upon request

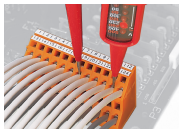


**Possible combination:**  
Double- (737 Series) and quadruple-deck PCB terminal strips (738 Series) upon request

Marking



Testing



Testing via contact area above the conductors.