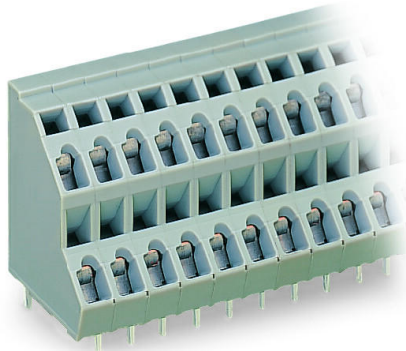


Data sheet | Item number: 736-107

Double-deck PCB terminal block; 2.5 mm²; Pin spacing 5 mm; 14-pole; CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/736-107



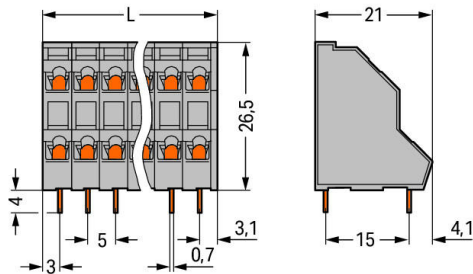
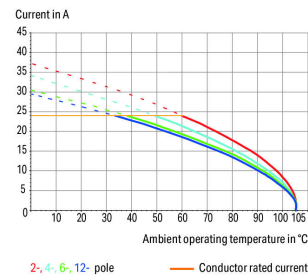
 Picture differs from the item.

RoHS  Compliant

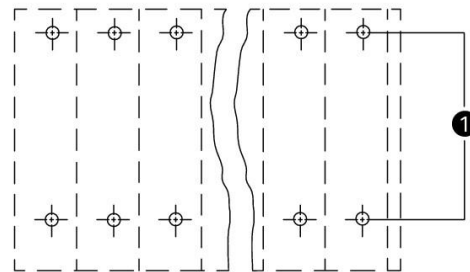


Color: 

Current-Carrying Capacity Curve
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



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



(1) Solder pins in line

Item description

- PCB terminal strips with screwdriver-actuated CAGE CLAMP® connection
- High-density, double-deck design for space-efficient wiring of multiple conductors in confined areas
- Custom marking for all termination levels

Subject to changes. Please also observe the further product documentation!

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**Data****Electrical data****Ratings per IEC/EN**

Ratings per	IEC/EN 60664-1
Ratings (note)	Between the modules
Nominal voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	21 A
Ratings per	IEC/EN 60664-1
Ratings (note) 2	Between the decks
Rated voltage (III/3) 2	320 V
Rated surge voltage (III/3) 2	4 kV
Rated voltage (III/2) 2	320 V
Rated surge voltage (III/2) 2	4 kV
Rated voltage (II/2) 2	630 V
Rated surge voltage (II/2) 2	4 kV
Rated current 2	21 A
Legend (ratings)	(III / 2) \triangleq Overvoltage category III / Pollution degree 2

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A

Subject to changes. Please also observe the further product documentation!



Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ²
Note (conductor cross-section)	12 AWG: THHN, THWN
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Conductor connection direction to PCB	45°
Pole No.	14
Total number of connection points	14
Total number of potentials	14
Number of connection types	1
Number of levels	2

Physical data

Pin spacing	5 mm / 0.197 inch
Width	36 mm / 1.417 inch
Height	30.5 mm / 1.201 inch
Height from the surface	26.5 mm / 1.043 inch
Depth	21 mm / 0.827 inch
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 (in-line)
Number of solder pins per potential	1

Material data

Color	gray
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Subject to changes. Please also observe the further product documentation!

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-plated
Fire load	0.251 MJ
Weight	16.3 g

Environmental requirements


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

Product Group	4 (Printed Circuit)
Packaging type	BOX
Country of origin	PL
GTIN	4044918913416
Customs tariff number	85369010000



Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV

Compatible products

check

	Item no.: 231-126 Testing plug module with contact stud; for 280, 736, 737, 738, 780 Series; Pin spacing 5 mm / 0.197 in; 2,50 mm ² ; gray	www.wago.com/231-126
	Item no.: 231-155 Testing plug module with contact stud; Pin spacing 5 mm / 0.197 in; 2,50 mm ² ; gray	www.wago.com/231-155

Subject to changes. Please also observe the further product documentation!



Downloads

Documentation

Additional Information

Technical explanations	3. 4. 2019	pdf 2.0 MB	Download
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CAD/CAE-Data

PCB Design

Symbol and Footprint 736-107

URL Download

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 736-107

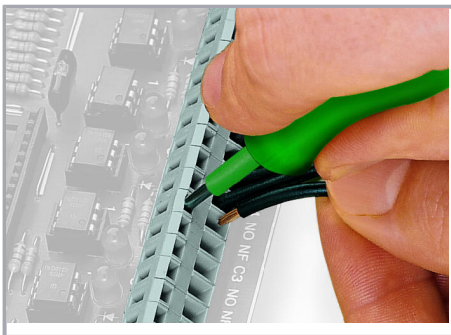
URL

Download

Double-deck PCB terminal block; 2.5 mm²; Pin spacing 5 mm; 14-pole; CAGE CLAMP®; 2,50 mm²; gray

Installation Notes

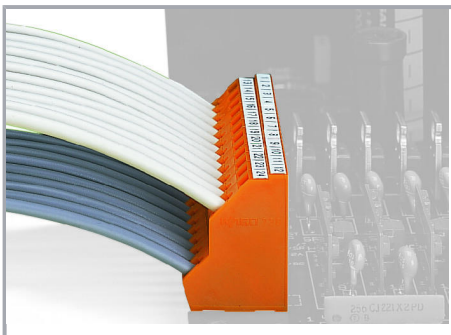
Conductor termination



Inserting a conductor via 3.5 mm screwdriver.

Screwdriver actuation parallel to conductor entry

Application



Low space requirements due to high-density design

Double-deck PCB terminal strip – 736 Series

Subject to changes. Please also observe the further product documentation!

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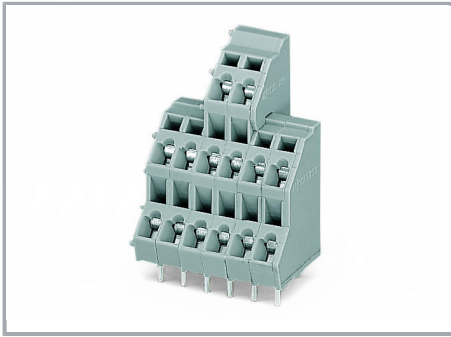
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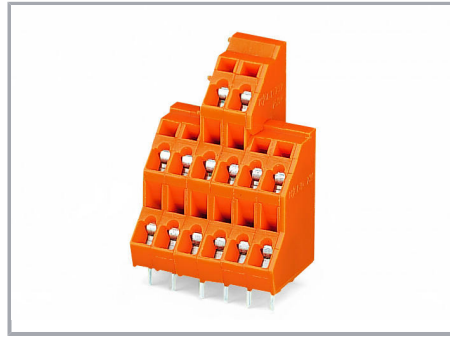
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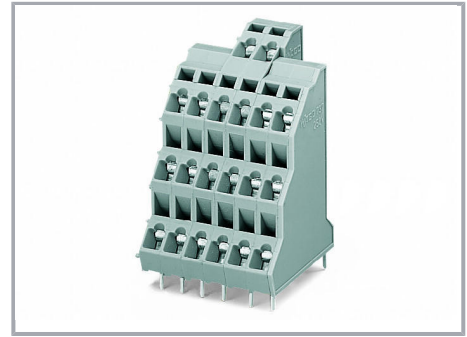
Possible combination:

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:

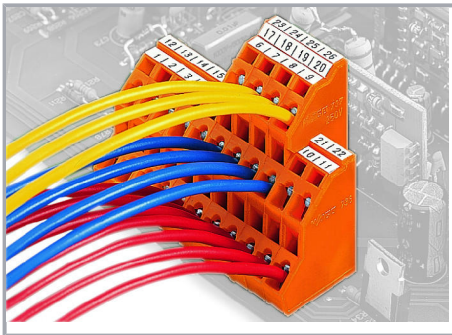
Double- (737 Series) and quadruple-deck PCB terminal strips (738 Series) upon request

Subject to changes. Please also observe the further product documentation!

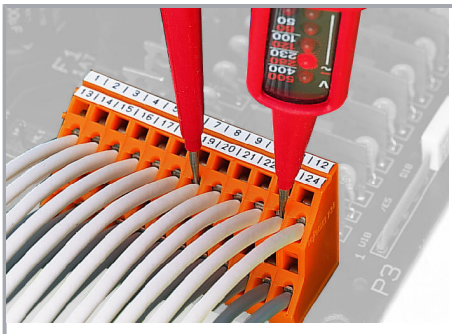


Possible combination:

Double- (737 Series) and quadruple-deck PCB terminal strips (738 Series) upon request



Testing



Testing via contact area above the conductors.

Subject to changes. Please also observe the further product documentation!