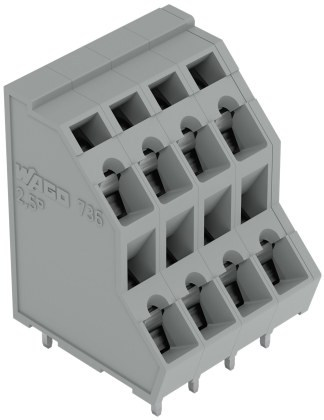
Data Sheet | Item Number: 736-105

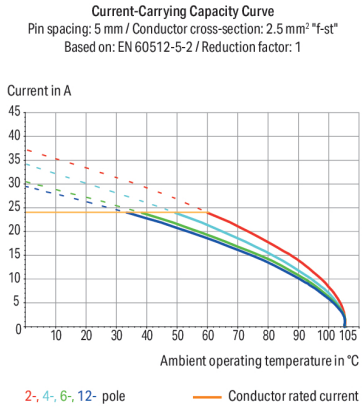
Double-deck PCB terminal block; 2.5 mm²; Pin spacing 5 mm; 10-pole; CAGE CLAMP®; gray

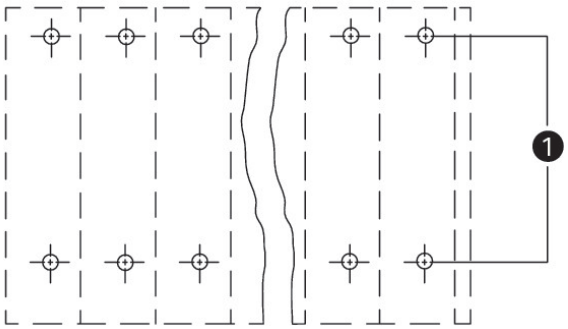
https://www.wago.com/736-105



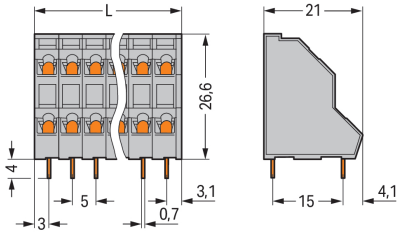
Color: gray

Similar to illustration





(1) Solder pins in line



Dimensions in mm
L = ((pole no. / 2) x pin spacing) + 1.1 mm

PCB terminal block, 736 Series, with 5 mm pin spacing

Connect conductors quickly and easily with this PCB terminal block (item number 736-105). You can count on proven safety with these PCB terminal blocks, perfect for a host of applications when designing your devices. Conductors should only be connected to this PCB terminal block if their strip length is between 5 and 6 mm . Featuring one conductor terminal along with CAGE CLAMP®, this product outperforms the competition. 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. Dimensions: (26.1 x 30.6 x 21) 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 mm² to 2.5 mm².

The contact surface is coated with tin. An operating tool is used to operate this PCB terminal block. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted into the board at a 45° angle..

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 https://configurator.wago.com/.

Electrical data

Ratings per IEC/EN

Ratings	between the modules
Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse withstand voltage (III / 3)	4 kV
Rated voltage (III/2)	500 V
Rated impulse withstand voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated impulse withstand voltage (II/2)	4 kV
Rated current	23 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per IEC/EN 2

Ratings	between the decks
Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	320 V
Rated impulse withstand voltage (III/3)	4 kV
Rated voltage (III / 2)	500 V
Rated impulse withstand voltage (III/2)	4 kV
Rated voltage (II/2)	630 V
Rated impulse withstand voltage (II/2)	4 kV
Rated current	23 A

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

Connection Data

Clamping units	10
Total number of potentials	5
Number of connection types	1
Number of levels	2

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 … 2.5 mm² / 28 … 12 AWG
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	5

Continued on next page

Physical data

Pin spacing	5 mm / 0.197 inches
Width	26.1 mm / 1.027 inches
Height	30.6 mm / 1.201 inches
Height from the surface	26.6 mm / 1.043 inches
Depth	21 mm / 0.827 inches
Solder pin length	4 mm
Solder pin dimensions	0.7 x 0.7 mm
!	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

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	0.182 MJ
Weight	11.8 g

Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

Product Group	4 (Printed Circuit Connectors)
PU (SPU)	70 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918913256
Customs tariff number	85369010000

Product Classification

ETIM 9.0	EC002643
ETIM 10.0	EC002643
ECCN	NO US CLASSIFICATION

Continued on next page

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

Approvals for marine applications

Approval	Standard	Certificate Name
BV Bureau Veritas S.A.	IEC 60998	11915/E0 BV

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 736-105

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB
Gebrückte Klemmenleisten für Leiterplatten		pdf 303.71 KB

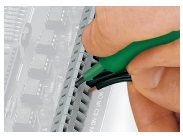
CAD/CAE-Data

CAD data

2D/3D Models 736-105

Installation Notes

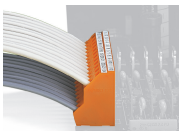
Conductor termination



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

 Continued on next page

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



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Double- (736 Series) and triple-deck PCB terminal strips (737 Series) upon request

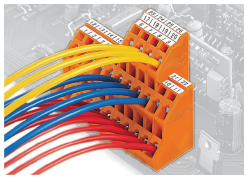


Possible combination:
Double- (737 Series) and quadruple-deck PCB terminal strips (738 Series) upon request

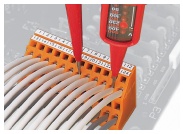


Possible combination:
Double- (737 Series) and quadruple-deck PCB terminal strips (738 Series) upon request

Marking



Testing



Testing via contact area above the conductors.