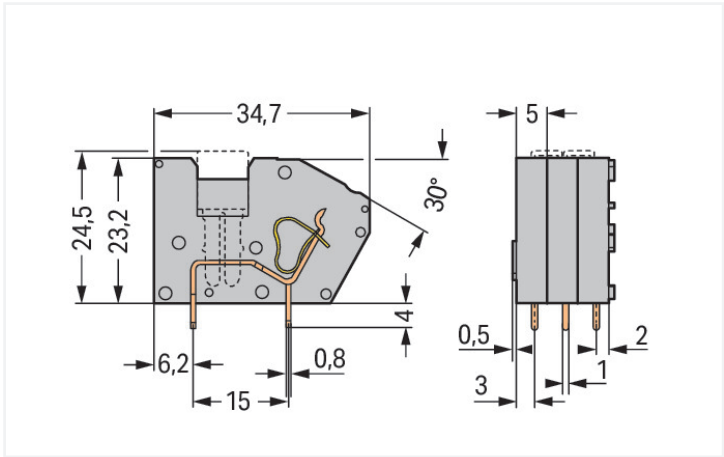


Data Sheet | Item Number: 742-124

Stackable PCB terminal block; with commoning option; 2.5 mm²; Pin spacing 5 mm; 1-pole; CAGE CLAMP®; blue

<https://www.wago.com/742-124>



Color: ■ blue

Similar to illustration

Dimensions in mm

PCB terminal block, 742 Series, blue

This PCB terminal block (item number 742-124) is designed to connect conductors quickly and easily. It is a universal connector that can be used practically anywhere, e.g., as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Ensure that the strip lengths are between 8 and 9 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with CAGE CLAMP®, this product is highly versatile. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all types of conductors without having to prepare the conductor. For example, you don't need to crimp ferrules. The dimensions are (7 x 27.2 x 34.7) mm (width x height x depth). Depending on the conductor type, this PCB terminal block is designed for conductor cross sections ranging from 0.08 mm² to 2.5 mm².

Tin is used for coating the contact surfaces. This PCB terminal block is operated with an operating tool. The PCB terminal block is designed for THT soldering. Insert the conductor into the board at an angle of 60°.

| Electrical data                 |  |                |       |       |               |       |         |
|---------------------------------|--|----------------|-------|-------|---------------|-------|---------|
| Ratings per                     |  | IEC/EN 60664-1 |       |       | Approvals per |       | UL 1059 |
| Overvoltage category            |  | III            | III   | II    | Use group     | B     | C D     |
| Pollution degree                |  | 3              | 2     | 2     | Rated voltage | 300 V | - 300 V |
| Nominal voltage                 |  | 250 V          | 320 V | 630 V | Rated current | 10 A  | - 10 A  |
| Rated impulse withstand voltage |  | 4 kV           | 4 kV  | 4 kV  |               |       |         |
| Rated current                   |  | 16 A           | 16 A  | 16 A  |               |       |         |

| Approvals per |  | CSA   |   |       |
|---------------|--|-------|---|-------|
| Use group     |  | B     | C | D     |
| Rated voltage |  | 300 V | - | 300 V |
| Rated current |  | 16 A  | - | 10 A  |



| Connection Data            |   |                                                   |                                   |
|----------------------------|---|---------------------------------------------------|-----------------------------------|
| Clamping units             | 1 | Connection 1                                      |                                   |
| Total number of potentials | 1 | Connection technology                             | CAGE CLAMP®                       |
| Number of connection types | 1 | Actuation type                                    | Operating tool                    |
| Number of levels           | 1 | Solid conductor                                   | 0.08 ... 2.5 mm² / 28 ... 12 AWG  |
| Number of jumper slots     | 1 | 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 ... 1.5 mm²                  |
|                            |   | Note (conductor cross-section)                    | 12 AWG: THHN, THWN                |
|                            |   | Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inches |
|                            |   | Conductor connection direction to PCB             | 60 °                              |
|                            |   | Pole number                                       | 1                                 |

| Physical data                        |                                      |                          |
|--------------------------------------|--------------------------------------|--------------------------|
| Pin spacing                          | Pin spacing                          | 5 mm / 0.197 inches      |
| Width                                | Width                                | 7 mm / 0.276 inches      |
| Height                               | Height                               | 27.2 mm / 1.071 inches   |
| Height from the surface              | Height from the surface              | 23.2 mm / 0.913 inches   |
| Depth                                | Depth                                | 34.7 mm / 1.366 inches   |
| Solder pin length                    | Solder pin length                    | 4 mm                     |
| Solder pin dimensions                | Solder pin dimensions                | 1 x 0.8 mm               |
| Drilled hole diameter with tolerance | Drilled hole diameter with tolerance | 1.4 <sup>(+0.1)</sup> mm |

| PCB contact                         |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|
| PCB contact                         | PCB contact                         | THT                                 |
| Solder pin arrangement              | Solder pin arrangement              | within the terminal block (in-line) |
| Number of solder pins per potential | Number of solder pins per potential | 2                                   |

| Material data                      |                                    |                                                                          |
|------------------------------------|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | Color                              | blue                                                                     |
| Material group                     | Material group                     | I                                                                        |
| Insulation material (main housing) | Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | Flammability class per UL94        | V0                                                                       |
| Clamping spring material           | Clamping spring material           | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                   | Contact material                   | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    | Contact Plating                    | Tin                                                                      |
| Fire load                          | Fire load                          | 0.036 MJ                                                                 |
| Weight                             | Weight                             | 3.1 g                                                                    |



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

| Commercial data       |                                |
|-----------------------|--------------------------------|
| Product Group         | 4 (Printed Circuit Connectors) |
| PU (SPU)              | 300 pcs                        |
| Packaging type        | Box                            |
| Country of origin     | CH                             |
| GTIN                  | 4045454226053                  |
| 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 10.0              | EC002643             |
| ECCN                   | NO US CLASSIFICATION |

| 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<br>DEKRA Certification B.V.                         | EN 60947-7-4  | NTR NL 7813                                                                                                                                                                                                                                                                               |          |          |                  |                                                         |   |   |                                                         |   |   |
| CCA<br>DEKRA Certification B.V.                         | EN 60947-7-4  | 71-112655                                                                                                                                                                                                                                                                                 |          |          |                  |                                                         |   |   |                                                         |   |   |
| CSA<br>DEKRA Certification B.V.                         | C22.2 No. 158 | 1711139                                                                                                                                                                                                                                                                                   |          |          |                  |                                                         |   |   |                                                         |   |   |
| UR<br>Underwriters Laboratories Inc.                    | UL 1059       | E45172                                                                                                                                                                                                                                                                                    |          |          |                  |                                                         |   |   |                                                         |   |   |
|                                                         |               | <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr></table> | Approval | Standard | Certificate Name | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | - | - | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | - | - |
| Approval                                                | Standard      | Certificate Name                                                                                                                                                                                                                                                                          |          |          |                  |                                                         |   |   |                                                         |   |   |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -             | -                                                                                                                                                                                                                                                                                         |          |          |                  |                                                         |   |   |                                                         |   |   |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -             | -                                                                                                                                                                                                                                                                                         |          |          |                  |                                                         |   |   |                                                         |   |   |

Approvals for marine applications

| Approval                                | Standard  | Certificate Name |
|-----------------------------------------|-----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping | -         | 24-0095975-PDA   |
| BV<br>Bureau Veritas S.A.               | IEC 60998 | 11915/E0 BV      |
| DNV<br>DNV GL SE                        | -         | TAE000016Z       |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 742-124

↓

Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 742-124

↓

CAE data

EPLAN Data Portal 742-124

↓

ZUKEN Portal 742-124

↓

PCB Design

Symbol and Footprint via SamacSys 742-124

↓

Symbol and Footprint via Ultra Librarian 742-124

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



[Item No.: 742-400](#)  
End plate; snap-fit type; 1.5 mm thick; blue



[Item No.: 742-100](#)  
End plate; snap-fit type; 1.5 mm thick; gray



[Item No.: 742-800](#)  
End plate; snap-fit type; 1.5 mm thick; green-yellow

Page 4/6

Version 16.02.2026

Continued on next page



1.1.2 Jumper

1.1.2.1 Jumper



[Item No.: 280-402](#)  
Jumper; insulated; gray

1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule



[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.: 216-141](#)  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



[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; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



[Item No.: 216-142](#)  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



[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.: 216-143](#)  
Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



[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.: 216-144](#)  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored

1.2.2 Test and measurement

1.2.2.1 Testing accessories



[Item No.: 210-136](#)  
Test plug; 2 mm Ø; with 500 mm cable; red

1.2.3 Tool

1.2.3.1 Operating tool



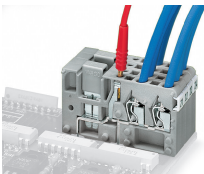
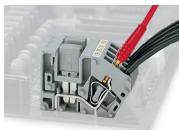
[Item No.: 210-720](#)  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



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

Installation Notes

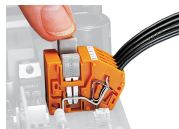
Testing



Testing – disconnect/test terminal block  
Testing all types of terminal blocks via 2 mm or 2.3 mm Ø test plugs.

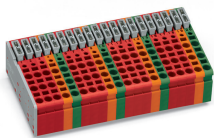
Testing – disconnect/test terminal block  
Testing all types of terminal blocks via 2 mm or 2.3 mm Ø test plugs.

Commoning

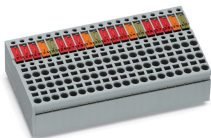


Commoning with adjacent jumpers.  
Push jumper down until fully inserted.

Application



Mixed-color terminal strips are available upon request.



Mixed-color knife disconnect/test terminal strips are available upon request.



Custom terminal strips are available upon request.