# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

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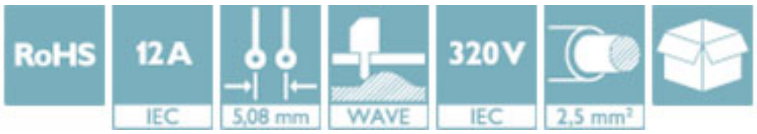
The figure shows a 10-position version of the product

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

## Why buy this product

- Maximum flexibility when it comes to device design – one header for connectors with different connection technologies
- Easy PCB replacement thanks to plug-in modules
- Well-known mounting principle allows worldwide use
- Inverted header with socket contacts for touch-proof device outputs or PCB/PCB connections




## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 STK |
| GTIN | 4 017918 042134 |
| GTIN | 4017918042134 |
| Weight per Piece (excluding packing) | 4.180 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length | 10.2 mm |
| Pitch | 5.08 mm |
| Dimension a | 25.4 mm |
| Width | 32.48 mm |
| Constructional height | 19 mm |
| Height | 22.5 mm |
| Length of the solder pin | 3.5 mm |
| Pin dimensions | 0,47 x 1,15 |

# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Technical data

### Dimensions

| | |
|---|---|
| Pin spacing | 5.08 mm |
| Hole diameter | 1.4 mm |

### General

| | |
|---|---|
| Range of articles | ICV 2,5/..-G |
| Insulating material group | I |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 320 V |
| Rated voltage (III/2) | 320 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 12 A |
| Maximum load current | 12 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Color | green |
| Number of positions | 6 |

### Standards and Regulations

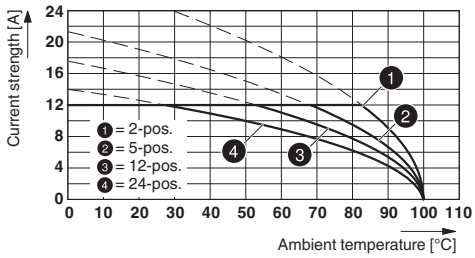
| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

### Environmental Product Compliance

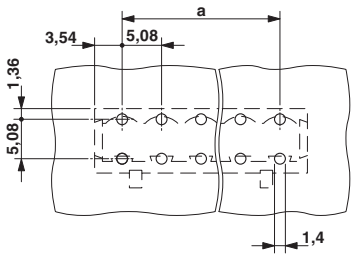
| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

## Drawings

Diagram



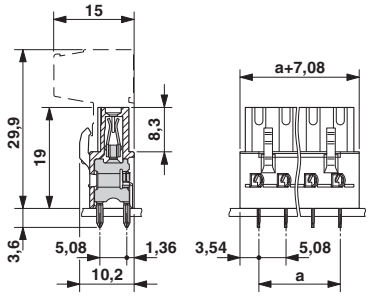

Drilling diagram




Type: ICV 2,5/..-G-5,08 with MSTBA 2,5/..-G-5,08

# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

Dimensional drawing




## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11 | 39121409 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121409 |

## Approvals

### Approvals

Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECEE CB Scheme / EAC / cULus Recognized

Ex Approvals

# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Approvals

### Approval details

| | | | |
|---|---|---|---|
| CSA | | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |

| | B | D |
|---|---|---|
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

| | | | |
|---|---|---|---|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |

| | B | D |
|---|---|---|
| Nominal current IN | 12 A | 10 A |
| Nominal voltage UN | 250 V | 300 V |

| | | | |
|---|---|---|---|
| VDE Gutachten mit Fertigungsüberwachung | | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40004701 |

| | |
|---|---|
| Nominal current IN | 12 A |
| Nominal voltage UN | 250 V |

| | | | |
|---|---|---|---|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |

| | B | D |
|---|---|---|
| Nominal current IN | 12 A | 10 A |
| Nominal voltage UN | 250 V | 300 V |

| | | | |
|---|---|---|---|
| IECEE CB Scheme | | http://www.iecee.org/ | DE1-56062-B1B2 |

| | |
|---|---|
| Nominal current IN | 12 A |
| Nominal voltage UN | 250 V |

| | | |
|---|---|---|
| EAC | | B.01742 |

# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Approvals

| | | |
|---|---|---|
| cULus Recognized | c US | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |

## Accessories

### Accessories

### Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material

### Test plug terminal block

Test plugs - MPS-MT - 0201744

Test plugs, with solder connection up to 1 mm² conductor cross section, Color: silver

Reducing plug - RPS - 0201647

Reducing plug, Color: gray

Mounting material - FLRP/ICV 80 - 1808353

Pair of guide rails, is inserted into the groove ICV/...G, height: 86 mm, hole diameter: 3.4 mm

### Additional products

# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Accessories

Base strip - DFK-MSTBA 2,5/ 6-G-5,08 - 1898871

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Feed-through header - DFK-MSTB 2,5/ 6-G-5,08 - 0707280

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST-5,08 and MSTBT 2,5/...ST-5,08.

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Base strip - MSTBO 2,5/ 6-GL-5,08 - 1850479

Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - MSTBO 2,5/ 6-GR-5,08 - 1847149

Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - A-MSTBVA 2,5/ 6-G-5,08 - 1872509

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: DIN rail

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# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Accessories

Printed-circuit board connector - IC 2,5/ 6-ST-5,08 - 1786213

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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Base strip - MSTBW 2,5/ 6-G-5,08 - 1735840

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - MSTBVA 2,5/ 6-G-5,08 - 1755778

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - MSTBV 2,5/ 6-G-5,08 - 1758050

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - MSTB 2,5/ 6-G-5,08 - 1759059

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Accessories

Printed-circuit board connector - MSTBA 2,5/ 6-G-5,08 THT - 1902783

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under “Downloads”

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Base strip - MSTBVA 2,5/ 6-G-5,08 THT - 1902851

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under “Downloads”

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Base strip - DFK-MSTBVA 2,5/ 6-G-5,08 - 1899171

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - MDSTBVA 2,5/ 6-G-5,08 - 1845374

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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Base strip - MDSTBA 2,5/ 6-G-5,08 - 1842102

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Accessories

Base strip - EMSTBA 2,5/ 6-G-5,08 - 1880342

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology

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Base strip - EMSTBVA 2,5/ 6-G-5,08 - 1859551

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology

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Printed-circuit board connector - FKIC 2,5/ 6-ST-5,08 - 1873391

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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Base strip - MSTBA 2,5/ 6-G-5,08-LA - 1770986

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - MSTBA 2,5/ 6-G-5,08 - 1757284

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Accessories

Base strip - MSTB 2,5/ 6-G-5,08-LA - 1770753

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - MDSTBV 2,5/ 6-G1-5,08 - 1762541

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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Base strip - MDSTB 2,5/ 6-G1-5,08 - 1762415

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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Base strip - SMSTBA 2,5/ 6-G-5,08 - 1767410

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Base strip - SMSTB 2,5/ 6-G-5,08 - 1769502

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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# Base strip - ICV 2,5/ 6-G-5,08 - 1785984

## Accessories

Printed-circuit board connector - ICC 2,5/ 6-STZ-5,08 - 1823888

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte