Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

Why buy this product

- Can be combined with inverted base strips and plugs for shock-proof applications
- Plug with inverted contact system (pin contact)

Key commercial data

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<tr>
<th>Packing unit</th>
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<tr>
<td>Minimum order quantity</td>
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<td>Catalog page</td>
<td>Page 246 (CC-2011)</td>
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<tr>
<td>GTIN</td>
<td>85366990</td>
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Country of origin: GERMANY

Technical data

Dimensions / positions

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<tr>
<th>Pitch</th>
<th>5.08 mm</th>
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<tr>
<td>Dimension a</td>
<td>30.48 mm</td>
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<tr>
<td>Number of positions</td>
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<tr>
<td>Screw thread</td>
<td>M3</td>
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<tr>
<td>Tightening torque, min</td>
<td>0.5 Nm</td>
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<tr>
<td>Tightening torque max</td>
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Technical data

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<tr>
<th>Range of articles</th>
<th>IC 2,5/..-ST</th>
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<tr>
<td>Insulating material group</td>
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<td>Rated surge voltage (III/3)</td>
<td>4 kV</td>
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<tr>
<td>Rated surge voltage (III/2)</td>
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<tr>
<td>Rated surge voltage (II/2)</td>
<td>4 kV</td>
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</table>
# Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

## Technical data

### 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

### Nominal voltage $U_N$
- 250 V

### Nominal cross section
- 2.5 mm²

### Maximum load current
- 12 A

### Insulating material
- PA

### Inflammability class according to UL 94
- V0

### Internal cylindrical gage
- A3

### Stripping length
- 7 mm

### Nominal voltage, UL/CUL Use Group B
- 250 V

### Nominal current, UL/CUL Use Group B
- 12 A

### Nominal voltage, UL/CUL Use Group D
- 300 V

### Nominal current, UL/CUL Use Group D
- 10 A

## Connection data

### Conductor cross section solid min.
- 0.2 mm²

### Conductor cross section solid max.
- 2.5 mm²

### Conductor cross section stranded min.
- 0.2 mm²

### Conductor cross section stranded max.
- 2.5 mm²

### Conductor cross section stranded, with ferrule without plastic sleeve min.
- 0.25 mm²

### Conductor cross section stranded, with ferrule without plastic sleeve max.
- 2.5 mm²

### Conductor cross section stranded, with ferrule with plastic sleeve min.
- 0.25 mm²

### Conductor cross section stranded, with ferrule with plastic sleeve max.
- 2.5 mm²

### Conductor cross section AWG/kcmil min.
- 24

### Conductor cross section AWG/kcmil max
- 12

### 2 conductors with same cross section, solid min.
- 0.2 mm²

### 2 conductors with same cross section, solid max.
- 1 mm²

### 2 conductors with same cross section, stranded min.
- 0.2 mm²

### 2 conductors with same cross section, stranded max.
- 1.5 mm²

### 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.
- 0.25 mm²

### 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.
- 1 mm²

### 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.
- 0.5 mm²

### 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.
- 1.5 mm²

### Minimum AWG according to UL/CUL
- 30

### Maximum AWG according to UL/CUL
- 12
Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

Classifications

ETIM

| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

UNSPSC

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

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 |

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

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Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

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</table>
Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

Accessories

Accessories
Assembly

Accessories - MSTB-BL - 1755477

Keying cap, for forming sections, plugs onto header pin, green insulating material

Marking

Marker cards - SK 5,08/3,8: FORTL.ZAHLEN - 0804293

Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5.08 mm

Plug/Adapter

Keying star - CR-MSTB - 1734401

Coding section, inserted into the recess in the header or the inverted plug, red insulating material

Tools

Screwdriver - SZS 0,6X3,5 - 1205053

Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2
Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

Accessories

Cable housing - KGG-MSTB 2,5/ 2 - 1803934

Cable housing, Pitch: 5 mm, Number of positions: 2, Dimension a: 10 mm, Color: green

Cable housing - KGS-MSTB 2,5/ 8 - 1783779

Cable housing, Pitch: 5 mm, Number of positions: 8, Dimension a: 40 mm, Color: green

Additional products

Base strip - ICV 2,5/ 7-G-5,08 - 1785997

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - IC 2,5/ 7-G-5,08 - 1786459

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - TMSTBP 2,5/ 7-ST-5,08 - 1853065

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, The plug allows conductors to be looped through from module to module.
Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

Accessories

Printed-circuit board connector - FKCVW 2,5/ 7-ST-5,08 - 1873702
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

Printed-circuit board connector - MSTBVK 2,5/ 7-ST-5,08 - 1831362
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Printed-circuit board connector - SMSTB 2,5/ 7-ST-5,08 - 1826335
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MSTBU 2,5/ 7-STD-5,08 - 1824175
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Printed-circuit board connector - MSTBC 2,5/ 7-STZ-5,08 - 1809556
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190658); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

Printed-circuit board connector - MSTBC 2,5/ 7-ST-5,08 - 1808861
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190658); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte
Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

Accessories

Printed-circuit board connector - MVSTBW 2,5/ 7-ST-5,08 - 1792809

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MVSTBR 2,5/ 7-ST-5,08 - 1792294

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MSTBT 2,5/ 7-ST-5,08 - 1781030

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FKCT 2,5/ 7-ST-5,08 - 1902165

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

Printed-circuit board connector - QC 1/ 7-ST-5,08 - 1883307

Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Insulation displacement connection QUICKON, Color: green, Contact surface: Tin
Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

Accessories

Printed-circuit board connector - FKCVR 2,5/ 7-ST-5,08 - 1874002

- Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

Printed-circuit board connector - FKC 2,5/ 7-ST-5,08 - 1873100

- Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

Base strip - A-ICV 2,5/ 7-G-5,08 - 1872745

- Base strip, Nominal current: 12 A, Nominal voltage: 250 V, Mounting type: DIN rail mounting, Number of positions: 7, Pitch: 5.08 mm, Color: green

Printed-circuit board connector - UMSTBVK 2,5/ 7-ST-5,08 - 1833865

- Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

- Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MSTB 2,5/ 7-STZ-5,08 - 1776113

- Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin
Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226

Accessories

Printed-circuit board connector - MSTBP 2,5/ 7-ST-5,08 - 1769065

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MSTB 2,5/ 7-ST-5,08 - 1757064

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Feed-through terminal block - ZFKK 1,5-ICV-5,08 - 1873029

Feed-through terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm² - 2.5 mm², Width: 5.1 mm, Color: gray, Mounting: NS 35/15, NS 35/7.5 / Ex data new / /

Drawings

Diagram

Dimensioned drawing

Type: (U)MSTBVK 2,5/...-ST-5,08 with IC 2,5/...-ST-5,08

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