

## INDUSTRIAL COMPONENT DATA

# SMSTB 2,5/ 2-ST BK CP12BDWH-17 1707455 PHOENIX CONTACT Plug-in part, rated current: 12 A, number of poles: 2..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SMSTB 2,5/ 2-ST BK CP12BDWH-17



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | SMSTB 2,5/ 2-ST BK CP12BDWH-17 |
| Catalog number  | 1707455                        |
| Category        | Cable connector                |
| Minimum order   | 50 Pcs                         |
| Document ID     | EO-7DED25751A                  |
| Generated       | 2026-08-05                     |

## Product Overview

Plug-in part, rated current: 12 A, number of poles: 2, pitch: 5 mm, connection type: Screw connection with traction capsule, color: blue, contact surface: Tin

Connector for printed circuit board, nominal section: 2.5 mm<sup>2</sup>, color: black, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Female, number of potentials: 2, number of rows: 1, number of poles: 2, number of connections: 2, family of articles: SMSTB 2.5/..-ST, pitch: 5 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, conductor connection direction/printed circuit board: -45 °, clamping hook: - Clamping hook, plug-in system: COMBICON MSTB 2.5, locking: without, fixing type: without, packaging type: boxed PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, product range: SMSTB 2,5/..-ST, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: -45 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path PHOENIX CONTACT &gt; PCB Connectors (PCC)

## Additional Product Information

Technical dataProduct propertiesProduct type PCB connector  
Product family SMSTB 2,5/..-ST

Product line COMBICON Connectors M

Number of positions 2

Pitch 5 mm

Number of connections 2

Number of rows 1

Number of potentials 2

Mounting flange without

Data management status

Article revision 01

Electrical propertiesNominal current IN 12 A

Nominal voltage UN 320 V

Contact resistance 2.3 mΩ

Rated 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

Rated voltage (II/2) 630 V

Rated surge voltage (II/2) 4 kV

Connection dataConnection technology

Type Standard

Connector system COMBICON MSTB 2,5

Nominal cross section 2.5 mm<sup>2</sup>

Contact connection type Socket

Interlock

Locking type without

Mounting flange without

Conductor connection

Connection method Screw connection with tension sleeve

Conductor/PCB connection direction -45 °

Conductor cross section rigid 0.2 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

Conductor cross section flexible 0.2 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

Conductor cross section AWG 24 ... 12

Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

2 conductors with same cross section, solid 0.2 mm<sup>2</sup> ... 1 mm<sup>2</sup>

2 conductors with same cross section, flexible 0.2 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

2 conductors with same cross section, flexible, with ferrule without plastic sleeve 0.25 mm<sup>2</sup> ... 1 mm<sup>2</sup>

2 conductors with the same cross section, flexible, with TWI...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SMSTB 2,5/ 2-ST BK CP12BDWH-17 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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