

INDUSTRIAL COMPONENT DATA

BCH-500VS- 3 GY VPE500 1151180 PHOENIX CONTACT  
Printed circuit board base housing, nominal section: 2.5 mm²,..

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCH-500VS-3 GY VPE500

|                                                                                   |                 |                                 |
|-----------------------------------------------------------------------------------|-----------------|---------------------------------|
|  | Manufacturer    | PHOENIX CONTACT                 |
|                                                                                   | MPN / Reference | BCH-500VS-3 GY VPE500           |
|                                                                                   | Catalog number  | 1151180                         |
|                                                                                   | Category        | Printed circuit board connector |
|                                                                                   | Minimum order   | 1 Pcs                           |
|                                                                                   | Document ID     | EO-A1743ABA20                   |
|                                                                                   | Generated       | 2026-08-05                      |
|                                                                                   |                 |                                 |

Product Overview

BCH-500VS- 3 GY VPE500 1151180 PHOENIX CONTACT Printed circuit board base housing, nominal section: 2.5 mm²,..

STRUCTURED PRODUCT DATA

Technical Specifications

| TECHNICAL ATTRIBUTE                       | VALUE           |
|-------------------------------------------|-----------------|
| Connector model (EF007495)                | Fixed connector |
| Contact type (EF001587)                   | Pin             |
| Number of plug-in contact rows (EF006935) | 1               |
| Modular spacing contacts (EF007326)       | 5 mm            |
| Modular spacing connections (EF006827)    | 5 mm            |
| Rated current In (EF008250)               | 12 A            |
| Rated voltage (EF000228)                  | 320 V           |
| Rated surge voltage (EF002993)            | 4 kV            |
| Over voltage category (EF006785)          | III             |
| Pollution degree (EF006786)               | 2               |
| Material of contact surface (EF004020)    | Tin             |
| Type of electric connection (EF003961)    | Other           |
| Diameter connection pin (EF006823)        | 1.4 mm          |
| Length pin (EF006825)                     | 3.9 mm          |

**CONTINUED**

## Technical Specifications

| TECHNICAL ATTRIBUTE                                                      | VALUE            |
|--------------------------------------------------------------------------|------------------|
| Material insulation body (EF007543)                                      | Other            |
| Housing colour (EF000136)                                                | Other            |
| Inflammability class of insulation material according to UL94 (EF002521) | V0               |
| Operating temperature (EF002393)                                         | -40 °C           |
| Type of fastening (EF002442)                                             | Other            |
| Type of banding (EF007011)                                               | Carton (for SMD) |

## Classification & Catalog Path

|              |                                        |
|--------------|----------------------------------------|
| eCl@ss 7.1   | 21043711                               |
| eCl@ss 8.0   | 21043711                               |
| eCl@ss 9.0   | 21043711                               |
| ETIM 5.0     | EC002246                               |
| ETIM 6.0     | EC002246                               |
| ETIM 7.0     | EC002246                               |
| Catalog path | PHOENIX CONTACT > PCB Connectors (PCC) |

## Additional Product Information

Printed circuit board base housing, nominal section: 2.5 mm<sup>2</sup>, color: signal gray, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Sn, contact connection type: Male, number of rows: 1, number of poles: 4, family of articles: BCH-VS, pitch: 5 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.9 mm, number of solder pins per potential: 1, plug-in system: BASICLINE 2.5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: boxed

Base housing printed circuit board, nominal section: 2.5 mm<sup>2</sup>, color: signal grey, rated current: 12 A, sizing voltage (III/2): 320 V, surface contacts: Tin, contact type: Male, Number of rows: 1, Number of rows: 4, item family: BCH-VS, pitch: 5 mm, mounting: Wave welding, pin arrangement: Linear pin arrangement, pin length [P]: 3.9 mm, Stecksytem: BASICLINE 2.5, Locking: without, packaging type: boxed packaging

### REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCH-500VS-3 GY VPE500 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

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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