INDUSTRIAL COMPONENT DATA

# BCH-500HS-20 GY 5432452 PHOENIX CONTACT Printed-circuit board connector BCH-500HS-20 GY 5432452

**Brand: PHOENIX CONTACT | Manufacturer Part Number: BCH-500HS-20 GY**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | BCH-500HS-20 GY |
| Catalog number | 5432452 |
| Category | Printed circuit board connector |
| Minimum order | 1 Pcs |
| Document ID | EO-F718FE3C2D |
| Generated | 2026-11-19 |

## Product Overview

BCH-500HS-20 GY 5432452 PHOENIX CONTACT Printed-circuit board connector BCH-500HS-20 GY 5432452

STRUCTURED PRODUCT DATA

## Technical Specifications

| TECHNICAL ATTRIBUTE | VALUE |
|---|---|
| Connector model (EF007495) | **Fixed connector** |
| Contact type (EF001587) | **Pin** |
| Number of poles (EF001391) | **20** |
| 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) | **3.23 mm** |

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## 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

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|---|---|
| Catalog path | **PHOENIX CONTACT > PCB Connectors (PCC)** |

## Additional Product Information

Printed-circuit board connector - BCH-500HS-20 GY - 5432452
Printed circuit board base housing, nominal section: 2.5 mm², color: signal gray, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Male, number of potentials: 20, number of rows: 1, number of poles: 20, number of connections: 20, article family: BCH-HS, pitch: 5 mm, mounting: Wave soldering, Pin arrangement: Linear pin arrangement, pin length [P]: 3.5 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

### REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCH-500HS-20 GY with the required quantity to info@electricaonline.com or use 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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