

**INDUSTRIAL COMPONENT DATA**

# FR 1,27/ 20-FV 6,25 1374029 PHOENIX CONTACT SMD plug pin, rated current: 2.2 A, Test voltage: 840 V AC, numb..

Brand: PHOENIX CONTACT | Manufacturer Part Number: FR 1,27/ 20-FV 6,25



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | FR 1,27/ 20-FV 6,25             |
| Catalog number  | 1374029                         |
| Category        | Printed circuit board connector |
| Minimum order   | 280 Pcs                         |
| Document ID     | EO-3457ACFAE9                   |
| Generated       | 2026-08-04                      |

## Product Overview

SMD plug pin, rated current: 2.2 A, Test voltage: 840 V AC, number of poles: 20, pitch: 1.27 mm, color: black, contact surface: Au, contact connection type: Female, mounting: SMD welding

SMD plug pin, rated current: 2.2 A, test voltage: 840 VAC, number of poles: 20, pitch: 1.27 mm, color: black, surface contacts: Gold, contact type: Female, mounting: SMD solder

SMD female connector, nominal current: 2.2 A, Test voltage: 840 V AC, number of positions: 20, pitch: 1.27 mm, color: black, contact surface: Gold, contact connection type: Socket, mounting: SMD soldering

**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 SMD female connector

Product family FR 1,27/..-FV 6,25

Number of positions 20

Pitch 1.27 mm

Number of rows 2

Pin layout Linear pad geometry

Electrical propertiesNominal current IN 2.2 A IEC 60512-5-2:2002-02 (at 20°C 100-pos.)

Degree of pollution 3

Contact resistance 10 mΩ

Test voltage 840 V AC IEC 60512-4-1:2003

MountingMounting type SMD soldering

Pin layout Linear pad geometry

Processing notes

Process Reflow soldering

Moisture Sensitive Level MSL 1

Classification temperature Tc 260 °C

Solder cycles in the reflow 3

Material specificationsMaterial data - contact

Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201

Contact material Cu alloy

Surface characteristics Selective coating

Metal surface contact area (top layer) Gold (Au)

Metal surface contact area (middle layer) Nickel (Ni)

Metal surface soldering area (top layer) Tin (Sn)

Metal surface soldering area (middle layer) Nickel (Ni)

Material data - housing

Color (Housing) black (9005)

Insulating material LCP

Insulating material group IIIb

CTI according to IEC 60112 150

Flammability rating according to UL 94 V0

Connection dataCross section AWG (converted acc. to IEC)

NotesNotes on operation The permissible voltage during operation depends on the application, taking into consideration the air clearances and creepage distances within the scope of insulation requirements in accordance with IEC 60664-1.

DimensionsDimensional drawing

Pitch 1.27 mm

Wid...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / FR 1,27/ 20-FV 6,25 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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