INDUSTRIAL COMPONENT DATA

FR 1,27/ 50-FV 9,05 1374881 PHOENIX CONTACT SMD plug pin, rated current: 2.1 A, Test voltage: 840 V AC, numb..

Brand: PHOENIX CONTACT | Manufacturer Part Number: FR 1,27/ 50-FV 9,05



Manufacturer	PHOENIX CONTACT
MPN / Reference	FR 1,27/ 50-FV 9,05
Catalog number	1374881
Category	Printed circuit board connector
Minimum order	280 Pcs
Document ID	EO-8C46FF0729
Generated	2026-11-19

Product Overview

SMD plug pin, rated current: 2.1 A, Test voltage: 840 V AC, number of poles: 50, pitch: 1.27 mm, color: black, contact surface: Au, contact connection type: Female, mounting: SMD welding
SMD plug plug, rated current: 2.1 A, test voltage: 840 VAC, number of poles: 50, pitch: 1.27 mm, color: black, surface contacts: Gold, contact type: Female, mounting: SMD solder
SMD female connector, nominal current: 2.1 A, Test voltage: 840 V AC, number of positions: 50, 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 > PCB Connectors (PCC)

Additional Product Information

Technical dataProduct propertiesProduct type SMD female connector
Product family FR 1,27/..-FV 9,05
Number of positions 50
Pitch 1.27 mm
Number of rows 2
Pin layout Linear pad geometry
Electrical propertiesNominal current IN 2.1 A IEC 60512-5-2:2002-02 (at 20°C 100-pos.)
Degree of pollution 3
Contact resistance 10 m?
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/ 50-FV 9,05 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.