

PV-FT-C3F-C-2,5-4-VPE250 - Crimp contact



1196774

<https://www.phoenixcontact.com/ae/products/1196774>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Commercial data

Item number	1196774
Packing unit	250 pc
Minimum order quantity	250 pc
Sales key	AB
Product key	ABLBFA
GTIN	4063151255435
Weight per piece (including packing)	2.119 g
Weight per piece (excluding packing)	2.109 g
Customs tariff number	85359000
Country of origin	CN

Technical data

Notes

Safety note

Safety note

- **WARNING:** Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
- **WARNING:** Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
- **WARNING:** The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
- The products are suitable for applications in plant, controller, and electrical device engineering.
- Assembled products may not be manipulated or improperly opened.
- Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)).
- When using the product in direct connection with third-party manufacturers, the user is responsible.
- For operating voltages > 50 V AC, conductive connector housings must be grounded
- Ensure that the protective or functional ground has been properly connected.
- Observe the corresponding technical data. You will find information:
 - o On the product
 - o On the packing label
 - o In the supplied documentation
 - o Online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) under the product
- The installation notes/Design In documents online on the download page at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) must be observed for this product.
- Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)
- The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).
- Operate the connector only when it is fully plugged in and interlocked.
- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.

PV-FT-C3F-C-2,5-4-VPE250 - Crimp contact



1196774

<https://www.phoenixcontact.com/ae/products/1196774>

• Observe the minimum bending radius of the cable. Lay the cable without twisting it.

Product properties

Product type	Crimp contact
Series	SUNCLIX
Contact material type	rolled

Connection data

Connection technology

Contact connection type	Socket
Connection method	Crimp connection

Conductor connection

Stripping length	9 mm -1 mm
Connection cross section	2.5 mm ² ... 4 mm ²
Connection cross section AWG	14 ... 12

Material specifications

Material Contact	Cu
Material Contact surface	Ag

Dimensions

Width [w]	6.2 mm
Height [h]	6.2 mm
Length [l]	31.6 mm

Electrical properties

Rated current (2,5 mm ²)	27 A
Rated current (4,0 mm ²)	34 A
Resistance (Übergangswiderstand)	< 0.3 mΩ (Crimp to crimp)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force	< 45 N ±10 N

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-5 °C ... 50 °C

PV-FT-C3F-C-2,5-4-VPE250 - Crimp contact



1196774

<https://www.phoenixcontact.com/ae/products/1196774>

Classifications

ECLASS

ECLASS-13.0	27440204
ECLASS-15.0	27440204

ETIM

ETIM 9.0	EC000796
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PV-FT-C3F-C-2,5-4-VPE250 - Crimp contact



1196774

<https://www.phoenixcontact.com/ae/products/1196774>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Middle East FZ LLC
1201N-1206N, Dubai Science Park Towers – North
P.O. Box 345002, Dubai, United Arab Emirates
(+971) 4 437-0324
info-me@phoenixcontact.com