

# Contact insert - VC-TFS 4-PEA - 1607467

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Contact insert with integrated sleeve frame, type VC 2, 3-pos. + PE, 690 V / 70 A

## Product Features

- Compact design
- Universal connection
- Proven COMBICON technology
- Can be keyed to prevent incorrect connection

## Key commercial data

<b>package_quantity</b>	5
<b>GTIN</b>	4017918969110

## Technical data

### General

<b>Note</b>	Connectors may only be connected/disconnected when under no load.
<b>Connection method</b>	Screw connection
<b>Connection method</b>	Screw connection
<b>Tightening torque</b>	1.2 Nm ... 1.8 Nm
<b>Pollution degree</b>	3
<b>Surge voltage category</b>	III
<b>Number of positions</b>	3+PE
<b>Insertion/withdrawal cycles</b>	≥ 50
<b>Design</b>	VC2
<b>Conductor cross section AWG/kcmil min.</b>	20
<b>Conductor cross section AWG/kcmil max</b>	6
<b>2 conductors with same cross section, solid min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, solid max.</b>	6 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded max.</b>	4 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>	4 mm <sup>2</sup>

# Contact insert - VC-TFS 4-PEA - 1607467

## Technical data

### General

<b>Conductor cross section</b>	0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
<b>Connection cross section AWG</b>	20 ... 6
<b>Stripping length of the individual wire</b>	14 mm

### Ambient conditions

<b>Ambient temperature (operation)</b>	-40 °C ... 100 °C
<b>Ambient temperature (operation)</b>	(when the conductor is connected)

### Material data

<b>Inflammability class according to UL 94</b>	V0
<b>Contact material</b>	CuZn
<b>Contact surface material</b>	hard-silver plated
<b>Contact carrier material</b>	PA

### Electrical characteristics

<b>Rated voltage (III/3)</b>	690 V
<b>Rated surge voltage</b>	6 kV
<b>Rated surge voltage</b>	6 kV
<b>Rated current</b>	70 A
<b>Rated current</b>	70 A

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27140816
<b>eCl@ss 4.1</b>	27140816
<b>eCl@ss 5.0</b>	27143424
<b>eCl@ss 5.1</b>	27143424
<b>eCl@ss 6.0</b>	27143424
<b>eCl@ss 7.0</b>	27440209
<b>eCl@ss 8.0</b>	27440209

### ETIM

<b>ETIM 2.0</b>	EC000438
<b>ETIM 3.0</b>	EC000438
<b>ETIM 4.0</b>	EC000438
<b>ETIM 5.0</b>	EC000438

### UNSPSC

<b>UNSPSC 6.01</b>	30211923
<b>UNSPSC 7.0901</b>	39121522
<b>UNSPSC 11</b>	39121522
<b>UNSPSC 12.01</b>	39121522
<b>UNSPSC 13.2</b>	39121522

# Contact insert - VC-TFS 4-PEA - 1607467

## approvals

---

UL Recognized / cUL Recognized / GOST / cULus Recognized /

---

### Approval details

<b>UL Recognized</b>	
Nominal voltage UN	600 V
Nominal current IN	55 A
mm <sup>2</sup> /AWG/kcmil	20-6

<b>cUL Recognized</b>	
Nominal voltage UN	600 V
Nominal current IN	45 A
mm <sup>2</sup> /AWG/kcmil	20-6

<b>GOST</b>
-------------

<b>cULus Recognized</b>
-------------------------

## accessories

MICROFOX SC - 1205862



---

## Drawings

## Contact insert - VC-TFS 4-PEA - 1607467

Dimensioned drawing

