

## Contact insert - VC-TFS 5-PEA - 1607474

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Contact insert with integrated sleeve frame, type VC 3, 4-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

Packing unit	1 pc
GTIN	 4 017918 969127
Weight per Piece (excluding packing)	58.66 GRM
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### General

Note	Connectors may only be connected/disconnected when under no load.
Connection method	Screw connection
	Screw connection
Tightening torque	1.2 Nm ... 1.8 Nm
Pollution degree	3
Surge voltage category	III
Number of positions	4+PE
Insertion/withdrawal cycles	≥ 50

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## Technical data

### General

Type	VC3
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm <sup>2</sup>
Conductor cross section	0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection cross section AWG	20 ... 6
Stripping length of the individual wire	14 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C
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### Material data

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

### Electrical characteristics

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

## Classifications

### eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424

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## Classifications

### eCl@ss

eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

### ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	20-6
Nominal current I <sub>N</sub>	55 A
Nominal voltage U <sub>N</sub>	600 V

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## Approvals

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	20-6
Nominal current I <sub>N</sub>	45 A
Nominal voltage U <sub>N</sub>	600 V

GOST	
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cULus Recognized	
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## Drawings

Dimensioned drawing

