

Contact insert - VC-TFS 4/1M-PEA - 1607488

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Contact insert with integrated sleeve frame, 1 free module slot, type VC 3, 3-pos. + PE, 690 V / 70 A

Why buy this product

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

RoHS

Key Commercial Data

Packing unit	5 STK
GTIN	 4 017918 969141
GTIN	4017918969141

Technical data

General

Note	Connectors may only be connected/disconnected when under no load.
Connection technology	Screw connection
Connection method	Screw connection
Tightening torque	1.2 Nm ... 1.8 Nm
Degree of pollution	3
Number of positions	3+PE
Insertion/withdrawal cycles	≥ 50
Size	VC3
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	6 mm ²

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Technical data

General

2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm ²
Conductor cross section	0.5 mm ² ... 16 mm ²
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

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

Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

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Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		600 V	
Nominal current IN		55 A	
mm ² /AWG/kcmil		20-6	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		600 V	
Nominal current IN		45 A	
mm ² /AWG/kcmil		20-6	

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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