

VC-AML 7-PEA - Contact insert



1607544

<https://www.phoenixcontact.com/us/products/1607544>

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Contact insert, Range of articles: VARIOCON, design: VC4, housing material: PA 6.6, color: light grey, number of positions: 7, rated voltage: 690, rated current: 63 A, Connection method: PCB connection, Contact connection type: Pin, Connectors may only be connected/disconnected when under no load.



Commercial data

Item number	1607544
Packing unit	5 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABLACC
Catalog page	Page 26 (C-2-2013)
GTIN	4017918980405
Weight per piece (including packing)	46.86 g
Weight per piece (excluding packing)	35 g
Country of origin	PL

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Technical data

Notes

General	Connectors may only be connected/disconnected when under no load.
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Product properties

Product type	Contact insert
Product family	VARIOCON
Series	VC-M
Type	VC4
Number of positions	7
Connection profile	6+PE
Number of module slots	5

Insulation characteristics

Degree of pollution	3
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Electrical properties

Rated voltage (II/2)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
	690 V
Nominal voltage ATD	690
Rated surge voltage	6 kV
Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	8 kV
Rated surge voltage	6 kV
Rated current	63 A
	70 A
	63 A
Nominal voltage U_N	690 V

Connection data

Connection method	PCB connection
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Dimensions

Width	35.6 mm
Height	27.1 mm
Length	75 mm

Material specifications

Color	light grey
Color of the housing part	gray

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Material	Polyamide
Flammability rating according to UL 94	V0
Insulating material group	I
Housing material	PA 6.6
Contact material	E-Cu 58
Contact surface material	hard-silver plated

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 50
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607544>

 cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	45 A	-	-

 UL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	55 A	-	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440223

ETIM

ETIM 9.0	EC003557
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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Accessories

CP-HCC 4 - Coding profile

1600027

<https://www.phoenixcontact.com/us/products/1600027>

Coding element, color: red, product range: Coding



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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com