

VS-09-BU-DSUB-ER - D-SUB connector



1688405

<https://www.phoenixcontact.com/us/products/1688405>

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D-SUB contact insert, shell size 1, with 9 signal contacts, type of contact socket, for PCB mounting, angled, fixing with M3 thread and solder pins, for panel mounting frame VS-09-...



Your advantages

- D-SUB 9 connection
- Compatible with IP67 sleeve housing and panel-mount frame
- Easy assembly

Commercial data

Item number	1688405
Packing unit	50 pc
Minimum order quantity	1 pc
Sales key	AB19
Product key	ABNCAB
GTIN	4017918818326
Weight per piece (including packing)	15.02 g
Weight per piece (excluding packing)	12.35 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Safety note

Safety note

• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector

Product properties

Product type	Contact insert
Type	D-SUB
Number of positions	9
Connection profile	D-SUB
Number of slots	1
Shielded	yes

Insulation characteristics

Overvoltage category	III
Degree of pollution	2

Electrical properties

Rated voltage in acc. with IEC 61076-2-101	400 V
Rated voltage (III/3)	125 V
Rated surge voltage	1 kV
Rated current	5 A (at 20 °C)
Test voltage	1200 V
Transmission medium	Copper
Power transmission	Power

Connection data

Connection method	Wave soldering contacts
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Dimensions

Width	21.6 mm
Height	17.6 mm
Length	31.19 mm

Material specifications

Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	metal-plated
Contact material	Copper alloy
Contact surface material	Gold
Contact carrier material	PBT-GF

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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 50
Insertion force per signal contact	$\leq 3.40 \text{ N}$

Environmental and real-life conditions

Ambient conditions

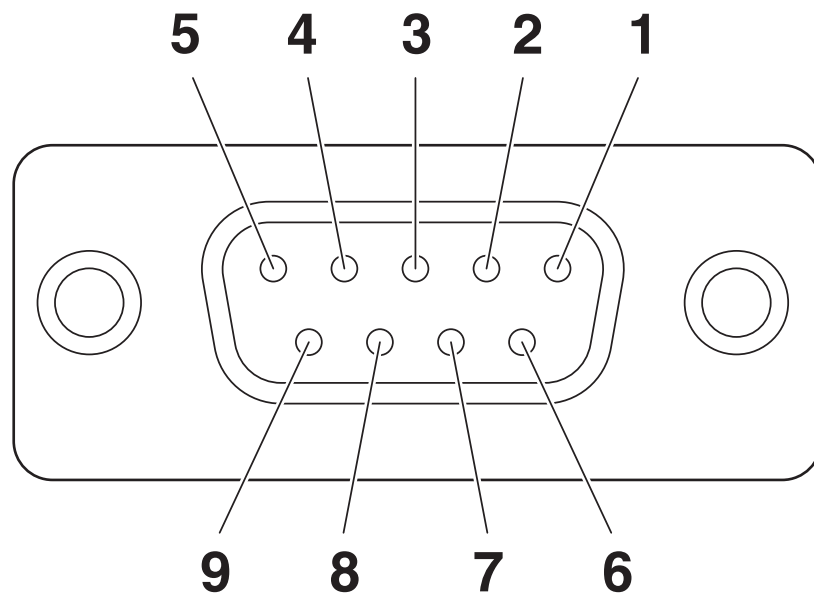
Degree of protection	IP20
Ambient temperature (operation)	-55 °C ... 125 °C

Mounting

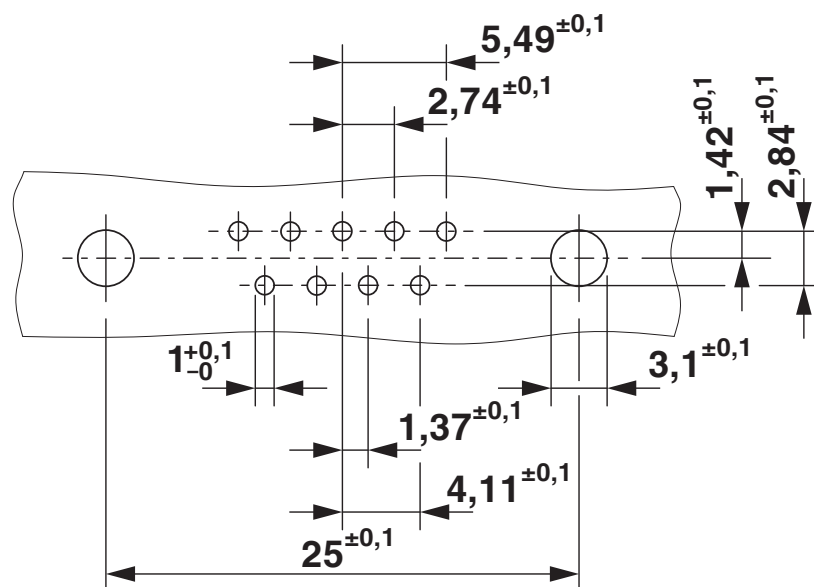
Mounting type	Screw mounting
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Drawings

Schematic diagram



Drilling plan/solder pad geometry



Drilling diagram

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Approvals

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UL Recognized

Approval ID: E118976

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Classifications

ECLASS

ECLASS-13.0	27440302
ECLASS-15.0	27440323

ETIM

ETIM 9.0	EC001132
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: n/a)
SCIP	0f9883a2-d089-449b-96c3-09f37d2b447f

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