

VS-PSC 1,5/5-M - PCB header



1688825

<https://www.phoenixcontact.com/us/products/1688825>

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POWER-SUBCON header, for mounting side, 5-pos., shielded, green, for wall thicknesses up to 2.0 or 4.5 mm, with spacer pin SW 5L5/4-40 UNC-M 3 x 8



Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1688825 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB19 |
| Product key | ABNCAB |
| GTIN | 4017918189716 |
| Weight per piece (including packing) | 8.22 g |
| Weight per piece (excluding packing) | 6.704 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

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Technical data

Notes

| | |
|--------------------|--|
| Notes on operation | Only actuate MINI COMBICON connectors when under no load condition. If for operating reasons small loads must be switched, experimental values are available upon request. |
|--------------------|--|

Product properties

| | |
|---------------------|----------------|
| Product type | Contact insert |
| Type | D-SUB |
| Number of positions | 5 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|-----------------------|--------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage | 4 kV |
| Rated current | 8 A |
| Contact resistance | 3 mΩ |
| Insulation resistance | 1 TΩ |
| Transmission medium | Copper |

Connection data

| | |
|-------------------|----------------|
| Connection method | PCB connection |
|-------------------|----------------|

Dimensions

| | |
|--------|---------|
| Width | 39.1 mm |
| Height | 13.7 mm |
| Length | 20.8 mm |

Material specifications

| | |
|--|--------------|
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | tin-plated |
| Contact carrier material | PA |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 100 |
|-----------------------------|-------|

Environmental and real-life conditions

Ambient conditions

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| | |
|---------------------------------|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 80 °C |

Mounting

| | |
|---------------|---------|
| Mounting type | Threads |
|---------------|---------|

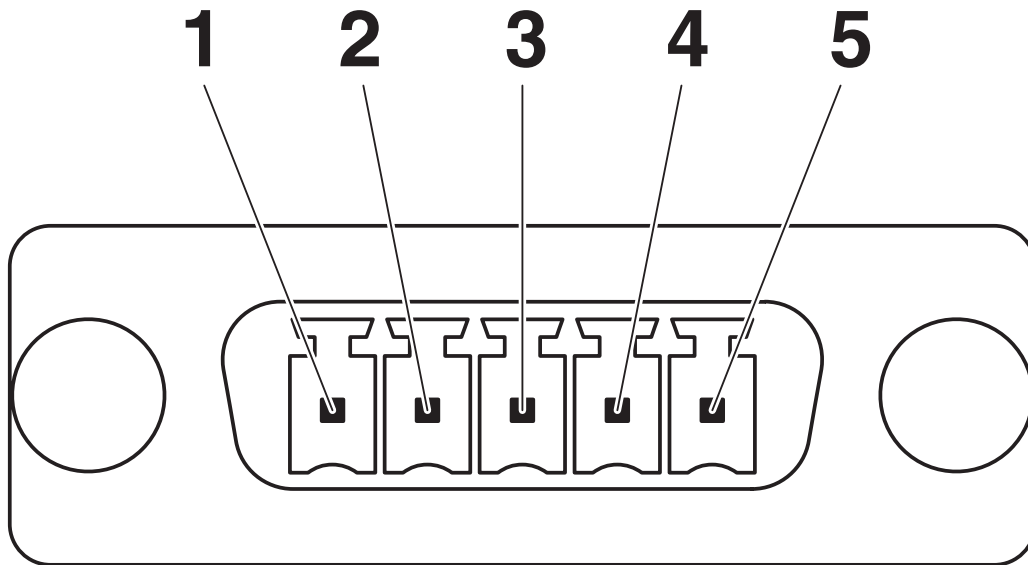
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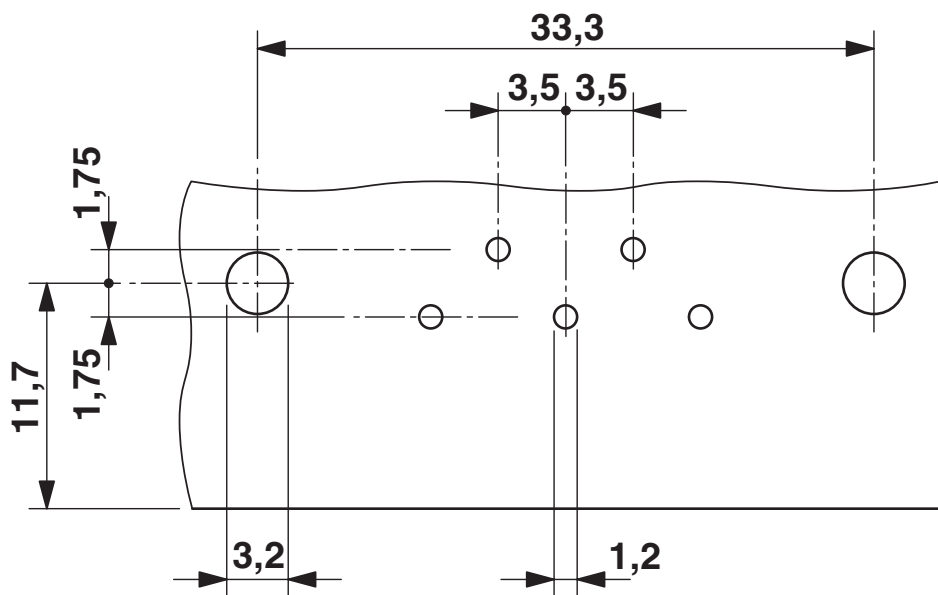
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Drawings

Schematic diagram



Drilling plan/solder pad geometry



Drilling diagram

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440302 |
| ECLASS-15.0 | 27440323 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001132 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

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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