

# VS-09-T-2M16 - D-SUB sleeve housings



1688353

<https://www.phoenixcontact.com/us/products/1688353>

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D-SUB sleeve housings, degree of protection: IP67, material: PA, cable outlet: slanted, housing size: 1, color: gray

## Your advantages

- IP67 protection class
- Two cable outlets ideal for hybrid applications

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1688353       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 5 pc          |
| Sales key                            | AB19          |
| Product key                          | ABNCBA        |
| GTIN                                 | 4017918817503 |
| Weight per piece (including packing) | 39.2 g        |
| Weight per piece (excluding packing) | 32.27 g       |
| Customs tariff number                | 85389099      |
| Country of origin                    | DE            |

## Technical data

### Notes

#### Safety note

##### Safety note

**WARNING:** The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.

- **WARNING:** Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.

- **WARNING:** Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.

- The products are suitable for applications in plant, controller, and electrical device engineering.

- When operating the connectors in outdoor applications, they must be separately protected against environmental influences.

- Assembled products may not be manipulated or improperly opened.

- Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)).

- When using the product in direct connection with third-party manufacturers, the user is responsible.

- For operating voltages > 50 V AC, conductive connector housings must be grounded

- Only use tools recommended by Phoenix Contact

- The installation notes/Design In documents online on the download page at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) must be observed for this product.

- Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)

- Operate the connector only when it is fully plugged in and interlocked.

- Operate the connector only when it is fully plugged in.

- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.

- Observe the minimum bending radius of the cable. Lay the cable without twisting it.

- 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

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|                              |                 |
|------------------------------|-----------------|
| Product type                 | Sleeve housings |
| Type                         | D-SUB           |
| No. of cable outlets         | 2               |
| Type of the screw connection | M16             |
| Cable outlet                 | slanted         |

## Insulation characteristics

|                     |   |
|---------------------|---|
| Degree of pollution | 2 |
|---------------------|---|

## Dimensions

|        |       |
|--------|-------|
| Width  | 60 mm |
| Height | 24 mm |
| Length | 89 mm |

## Material specifications

|  |      |
|--|------|
| Color                                  | gray |
| Flammability rating according to UL 94 | V0   |
| Housing material                       | PA   |

## Cable/line

|                         |               |
|-------------------------|---------------|
| External cable diameter | 3 mm ... 9 mm |
|-------------------------|---------------|

## Mechanical properties

### Mechanical data

|                              |        |
|------------------------------|--------|
| Type of the screw connection | M16    |
| Insertion/withdrawal cycles  | ≥ 1000 |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                        |
|---------------------------------|------------------------|
| Degree of protection            | IP67 (when plugged in) |
|                                 | IP67                   |
| Ambient temperature (operation) | -40 °C ... 80 °C       |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440202 |
| ECLASS-15.0 | 27440202 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000437 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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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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