

1520778  
<https://www.phoenixcontact.com/us/products/1520778>

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Connector housing, Crimp contacts



Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1520778       |
| Packing unit                         | 25 pc         |
| Minimum order quantity               | 25 pc         |
| Sales key                            | BF72          |
| Product key                          | BF2IEA        |
| GTIN                                 | 4063151984366 |
| Weight per piece (including packing) | 22.22 g       |
| Weight per piece (excluding packing) | 13.3 g        |
| Country of origin                    | MX            |

# SACC-AT06-12SA-RS-IV - Connector housing



1520778

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## Technical data

### Notes

|         |                                  |
|---------|----------------------------------|
| General | AT06-12SA-RDBLK                  |
| General | Use with Size 16 socket contacts |

### Trade restriction

|         |                                                                                                |
|---------|------------------------------------------------------------------------------------------------|
| CE note | The products are offered exclusively for export outside the EU and the European Economic Area. |
|---------|------------------------------------------------------------------------------------------------|

### Product properties

|                   |                |
|-------------------|----------------|
| Product type      | Contact insert |
| Series            | AT06           |
| Contact numbering | 1 - 12         |
| Shielded          | no             |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 00 |
|------------------|----|

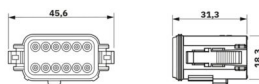
### Electrical properties

|                              |                                            |
|------------------------------|--------------------------------------------|
| Specific dielectric strength | 1500 V AC (Less than 2 mA current leakage) |
| Insulation resistance        | 1000 MΩ (at 25 °C)                         |

### Connection data

|                   |                |
|-------------------|----------------|
| Connection method | Crimp contacts |
|-------------------|----------------|

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 45.6 mm                                                                              |
| Height              | 18.3 mm                                                                              |
| Length              | 31.3 mm                                                                              |

### Material specifications

|                              |         |
|------------------------------|---------|
| Seal material Profile gasket | Silicon |
| Seal material Cable seal     | Silicon |
| Housing material             | PA-GF   |

### Mechanical properties

#### Mechanical data

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

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Characteristics

|                              |                                            |
|------------------------------|--------------------------------------------|
| Specific dielectric strength | 1500 V AC (Less than 2 mA current leakage) |
|------------------------------|--------------------------------------------|

Environmental and real-life conditions

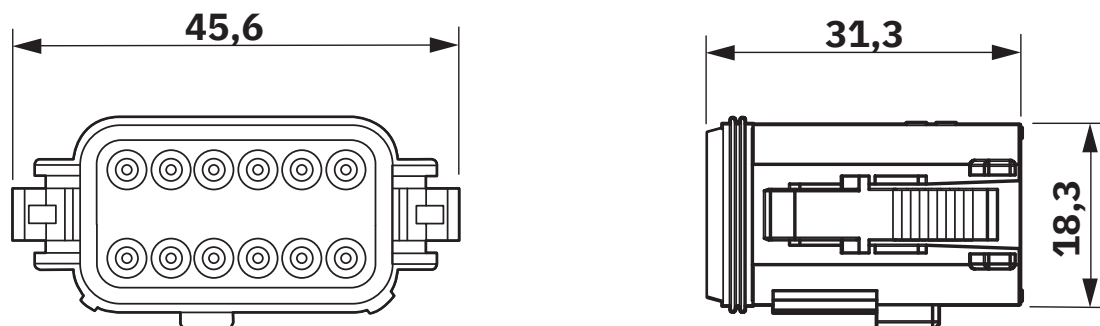
|                                 |                            |
|---------------------------------|----------------------------|
| Ambient conditions              |                            |
| Degree of protection            | IP68 (in mated condition)  |
|                                 | IP69K (in mated condition) |
| Ambient temperature (operation) | -55 °C ... 125 °C          |

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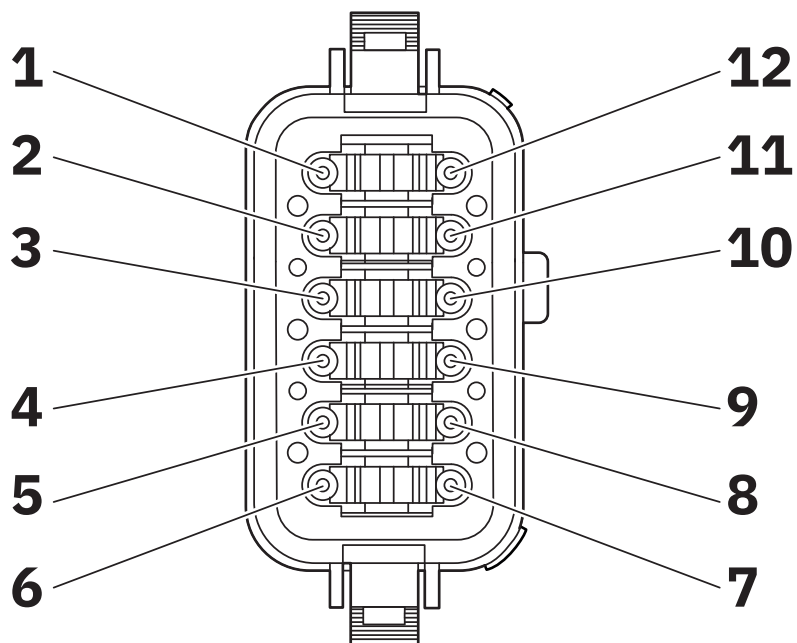
## Drawings

Dimensional drawing



AT06-12SA top view and side view

Schematic diagram



AT06-12SA pin assignment

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC002635 |
|----------|----------|

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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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## Accessories

### CC-AT62-S16-R14-NI - Crimp contact

1519750

<https://www.phoenixcontact.com/us/products/1519750>



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: nickel-plated, connection cross section: 2.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 14 ... 14

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### CC-AT62-S16-R16/20-AU - Crimp contact

1519751

<https://www.phoenixcontact.com/us/products/1519751>



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 20 ... 16

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## CC-AT62-S16-R16/20-NI - Crimp contact

1519753

<https://www.phoenixcontact.com/us/products/1519753>



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: nickel-plated, connection cross section: 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 20 ... 16

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## IV-AW12S - Terminal position assurance

1521026

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Terminal position assurance, material: PA-GF



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## IV-SP16 - Filler plug

1521037

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Filler plug

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