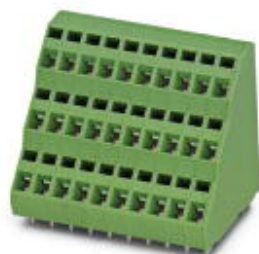


## ZFK3DSA 1,5-5,08-16 BUBDWHM-32 - 1705893

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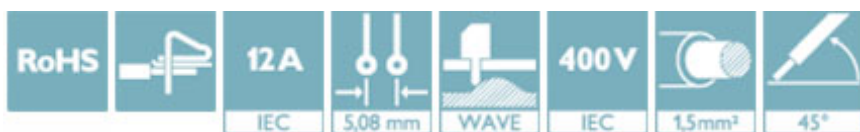


PCB terminal block, nominal current: 12 A, nom. voltage: 400 V, pitch: 5.08 mm, number of positions: 16, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45°, color: blue

The figure shows an 10-position version

### Your advantages

- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Conductor connection on several levels enables higher contact density
- ✓ The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 10 pc                                                                                |
| GTIN         |  |
| GTIN         | 4046356806183                                                                        |

### Technical data

#### Item properties

|                           |                        |
|---------------------------|------------------------|
| Brief article description | PCB terminal block     |
| Range of articles         | ZFK3DS(A) 1,5          |
| Pitch                     | 5.08 mm                |
| Number of positions       | 16                     |
| Connection method         | Spring-cage connection |
| Mounting type             | Wave soldering         |
| Pin layout                | Linear pinning         |
| Number of levels          | 3                      |

#### Electrical parameters

|                                  |       |
|----------------------------------|-------|
| Rated current                    | 12 A  |
| Rated insulation voltage (III/2) | 400 V |

# ZFK3DSA 1,5-5,08-16 BUBDWHM-32 - 1705893

## Technical data

### Electrical parameters

|                             |      |
|-----------------------------|------|
| Rated surge voltage (III/2) | 4 kV |
|-----------------------------|------|

### Connection capacity

|                                                                       |                                              |
|-----------------------------------------------------------------------|----------------------------------------------|
| Conductor cross section solid                                         | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible                                      | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG / kcmil                                   | 24 ... 14                                    |
| Conductor cross section flexible, with ferrule without plastic sleeve | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross section, flexible, with ferrule, with plastic sleeve  | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Stripping length                                                      | 7.5 mm                                       |

### Material data - contact

|                                          |                                                                                   |
|------------------------------------------|-----------------------------------------------------------------------------------|
| Note                                     | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201 |
| Contact material                         | Cu alloy                                                                          |
| Surface characteristics                  | hot-dip tin-plated                                                                |
| Metal surface terminal point (top layer) | Tin (10 - 16 µm Sn)                                                               |
| Metal surface soldering area (top layer) | Tin (10 - 16 µm Sn)                                                               |

### Material data - housing

|                                                                   |        |
|-------------------------------------------------------------------|--------|
| Insulating material                                               | PA     |
| Insulating material group                                         | I      |
| CTI according to IEC 60112                                        | 600    |
| Flammability rating according to UL 94                            | V0     |
| Glow wire flammability index GWFI according to EN 60695-2-12      | 850    |
| Glow wire ignition temperature GWIT according to EN 60695-2-13    | 775    |
| Temperature for the ball pressure test according to EN 60695-10-2 | 125 °C |

### Dimensions for the product

|                             |            |
|-----------------------------|------------|
| Length [ L ]                | 32.2 mm    |
| Pitch                       | 5.08 mm    |
| Height (without solder pin) | 37 mm      |
| Solder pin [ P ]            | 3.4 mm     |
| Pin dimensions              | 0.7 x 1 mm |
| Dimension a                 | 76.2 mm    |

### Dimensions for PCB design

|               |        |
|---------------|--------|
| Hole diameter | 1.3 mm |
|---------------|--------|

### Packaging information

|                            |                     |
|----------------------------|---------------------|
| Type of packaging          | packed in cardboard |
| Pieces per package         | 10                  |
| Denomination packing units | Pcs.                |

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
|-----------------------------------------|------------------|

## ZFK3DSA 1,5-5,08-16 BUBDWHM-32 - 1705893

### Technical data

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (assembly)  | -5 °C ... 100 °C |
| Ambient temperature (operation) | -40 °C           |

#### Electrical tests

|                                  |       |
|----------------------------------|-------|
| Rated current                    | 12 A  |
| Rated insulation voltage (III/2) | 400 V |
| Rated surge voltage (III/2)      | 4 kV  |

#### Air clearances and creepage distances

|                                  |       |
|----------------------------------|-------|
| Insulating material group        | I     |
| Voltage                          | 250 V |
| Rated insulation voltage (III/3) | 250 V |
| Rated insulation voltage (III/2) | 400 V |
| Rated insulation voltage (II/2)  | 630 V |
| Rated surge voltage (III/3)      | 4 kV  |
| Rated surge voltage (III/2)      | 4 kV  |
| Rated surge voltage (II/2)       | 4 kV  |

#### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|----------------------------------|--------|

#### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Approvals

#### Approvals

Approvals

EAC

Ex Approvals

#### Approval details

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|-------------------------------------------------------------------------------------|---------|

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