

SMD male connector, shielded - FP 0,8/ 52-MV-SH 2,65 - 1043756

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

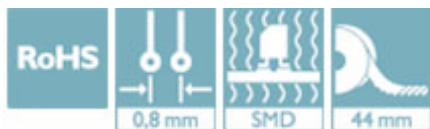


shielded SMD male connector, Nominal current at 20 °C: 1.7 A, Test voltage: 500 V AC, number of positions: 52, pitch: 0.8 mm, color: black, contact surface: Gold

The figure shows a 12-pos. version with 12 contacts

Your advantages

- ✓ Gold-plated contacts ensure transfer quality remains stable over the long term
- ✓ Reliable mechanical and electrical connections, thanks to the double-sided ScaleX contact system
- ✓ Robustness: ScaleX technology for high tolerance compensation and protection of contacts
- ✓ Flexible device design: various numbers of positions, designs, and stack heights with high wipe lengths



Key Commercial Data

| | |
|------------------------|---------------|
| Packing unit | 250 pc |
| Minimum order quantity | 250 pc |
| GTIN | |
| GTIN | 4055626614151 |

Technical data

Item properties

| | |
|---------------------------|------------------------------|
| Brief article description | SMD male connector, shielded |
| Plug-in system | Fine Pitch 0,8 mm |
| Type of contact | Male connector |
| Electrical characteristic | shielded |
| Range of articles | FP 0,8/...-MV 2,65 |
| Pitch | 0.8 mm |
| Number of positions | 52 |
| Mounting type | SMD soldering |
| Number of levels | 2 |
| Number of potentials | 52 |

SMD male connector, shielded - FP 0,8/ 52-MV-SH 2,65 - 1043756

Technical data

Electrical data

| | |
|--------------------------|---------------------------------|
| Nominal current at 20 °C | 1.7 A (80-pos.) |
| Test voltage | 500 V AC IEC 60512-4-1:2003 |
| Contact resistance | ≤15 mΩ, (IEC 60512-2-1:2002-02) |
| Insulation resistance | ≥ 5 GΩ, (IEC 60512-3-1:2002-02) |

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 | Selective coating |
| Metal surface contact area (top layer) | Gold (Au) |
| Metal surface contact area (middle layer) | Nickel (Ni), |
| Metal surface soldering area (top layer) | Tin (Sn) |
| Metal surface soldering area (middle layer) | Nickel (Ni) |

Material data - housing

| | |
|--|------|
| Insulating material | LCP |
| Insulating material group | IIIa |
| CTI according to IEC 60112 | 150 |
| Flammability rating according to UL 94 | V0 |

Dimensions for the product

| | |
|-----------------------------|----------|
| Length [l] | 6.1 mm |
| Width [w] | 24.7 mm |
| Height [h] | 7.75 mm |
| Pitch | 0.8 mm |
| Height (without solder pin) | 7.15 mm |
| Coplanarity | ≤ 0.1 mm |
| Dimension a | 20.25 mm |

Dimensions for the application

| | |
|----------------|--------|
| Contact cover | 0.8 mm |
| Overlap length | 1.5 mm |

Packaging information

| | |
|-----------------------------|--|
| Type of packaging | 44 mm wide tape |
| Pieces per package | 250 |
| Denomination packing units | Pcs. |
| [W] tape width | 44.4 mm |
| [A] coil diameter | 330 mm |
| [W2] coil overall dimension | 50.4 mm |
| Outer packaging type | Transparent-Bag |
| ESD level | (D) electrostatically conductive |
| Specification | DIN EN 61340-5-1 (VDE 0300-5-1): 2008-07 |

SMD male connector, shielded - FP 0,8/ 52-MV-SH 2,65 - 1043756

Technical data

Data transmission

| | |
|----------------|----------------------------------|
| Pin assignment | G, S, S, G, S, S, G |
| Caption | Differential pair - 12 mm height |
| Caption | Differential pair - 12 mm height |

Processing notes

| | |
|---|--|
| Process | Reflow soldering |
| Specification | Following IPC/JEDEC J-STD-020E:2014-12 |
| Moisture Sensitive Level | MSL 1 |
| Classification temperature T _c | 260 °C |

Ambient conditions

| | |
|---|-------------------|
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 100 °C |
| Ambient temperature (operation) | -55 °C ... 125 °C |

Mechanical tests

| | |
|--|---------|
| Insertion and withdrawal force per contact | ≤ 1.2 N |
|--|---------|

Air clearances and creepage distances

| | |
|---------------------------------------|--------------|
| Air clearances and creepage distances | min. 0.25 mm |
|---------------------------------------|--------------|

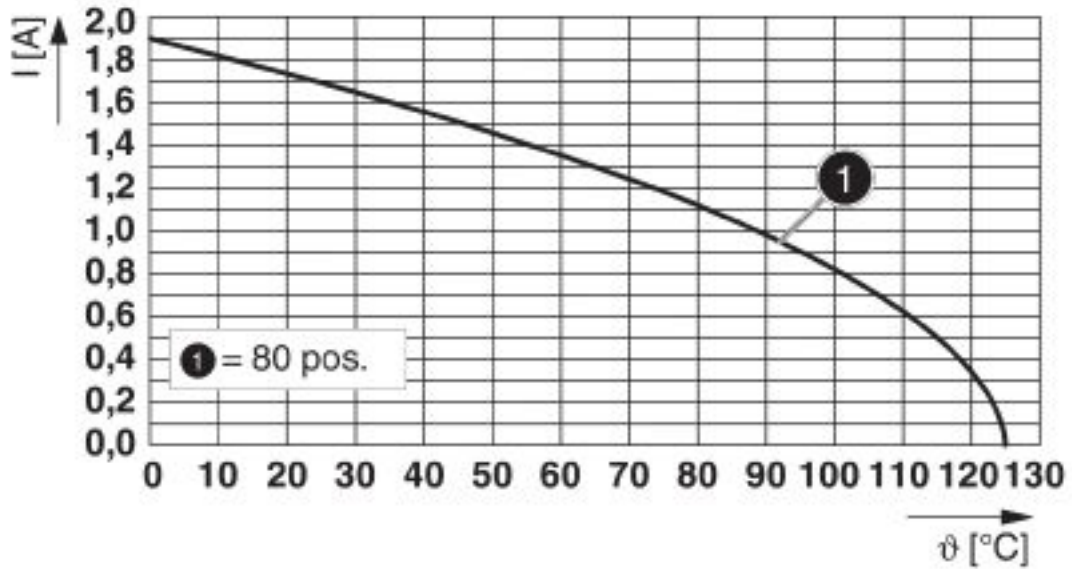
Service life

| | |
|--------------|--|
| Service life | 500 Insertion/withdrawal cycles, Performance level 1 |
|--------------|--|

Drawings

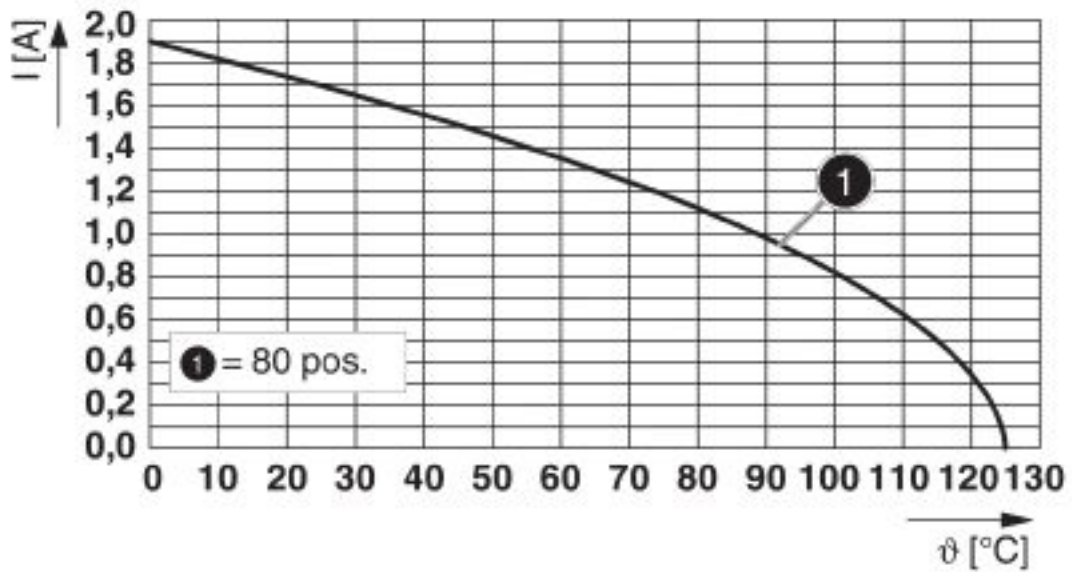
SMD male connector, shielded - FP 0,8/ 52-MV-SH 2,65 - 1043756

Diagram



Type: FP 0,8/...-MV-SH 2,65 with FP 0,8/...-FV-SH 4,85

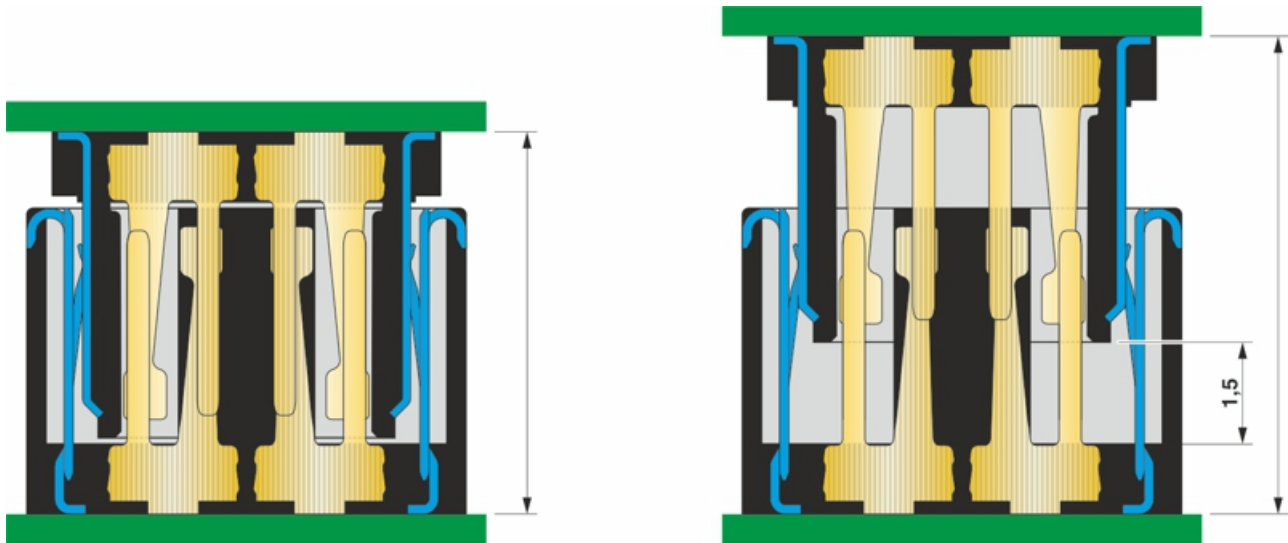
Diagram



Type: FP 0,8/...-MV-SH 2,65 with FP 0,8/...-FV-SH 7,85

SMD male connector, shielded - FP 0,8/ 52-MV-SH 2,65 - 1043756

Schematic diagram



Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>