

## Printed-circuit board connector - DMC 0,5/ 3-G1-2,54 SMD R24 - 1845030

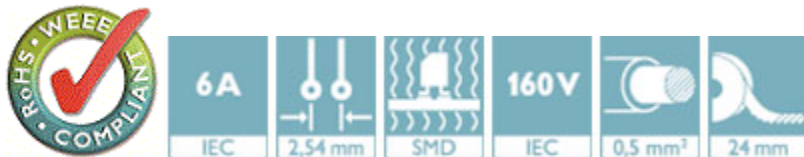
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(<http://phoenixcontact.com/download>)



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering, Sample values available under SAMPLE DMC...

### Why buy this product

- ✓ Gold-plated contacts ensure transfer quality remains stable over the long term
- ✓ Designed for integration into the SMT process
- ✓ Conductor connection on several levels enables higher contact density



### Key Commercial Data

|                        |          |
|------------------------|----------|
| Packing unit           | 1 STK    |
| Minimum order quantity | 300 STK  |
| Custom tariff number   | 85366990 |
| Country of origin      | Germany  |

### Technical data

#### Environmental Product Compliance

|            |                                                |
|------------|------------------------------------------------|
| China RoHS | No hazardous substances above threshold values |
|------------|------------------------------------------------|

#### Dimensions

|                |                |
|----------------|----------------|
| Length         | 9.64 mm        |
| Pitch          | 2.54 mm        |
| Dimension a    | 5.08 mm        |
| Width          | 12.2 mm        |
| Height         | 7.39 mm        |
| Pin dimensions | 0,64 x 0,64 mm |
| Pin spacing    | 2.54 mm        |

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## Technical data

### General

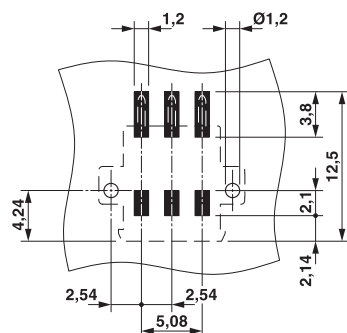
|                                        |                    |
|----------------------------------------|--------------------|
| Range of articles                      | DMC 0,5/...-G1-SMD |
| Insulating material group              | IIIa               |
| Rated surge voltage (III/3)            | 2.5 kV             |
| Rated surge voltage (III/2)            | 2.5 kV             |
| Rated surge voltage (II/2)             | 2.5 kV             |
| Rated voltage (III/3)                  | 32 V               |
| Rated voltage (III/2)                  | 160 V              |
| Rated voltage (II/2)                   | 160 V              |
| Connection in acc. with standard       | EN-VDE             |
| Nominal current $I_N$                  | 6 A                |
| Insulating material                    | LCP                |
| Flammability rating according to UL 94 | V0                 |
| Color                                  | black              |
| Number of positions                    | 3                  |

### Standards and Regulations

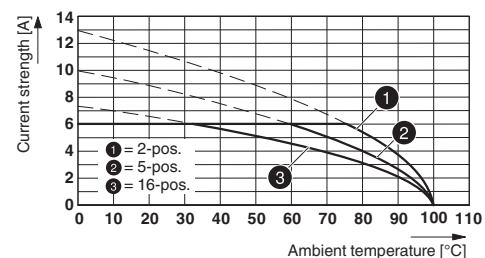
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
| Flammability rating according to UL 94 | V0     |

## Drawings

Drilling diagram



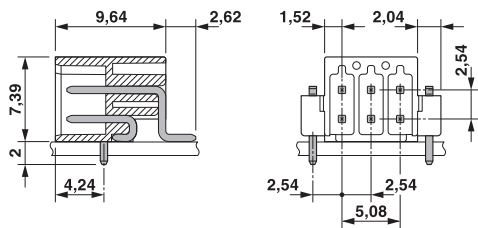
Diagram



Type: DFMC 0,5/...-ST-2,54 with DMC 0,5/...-G1-2,54 SMD R...

Printed-circuit board connector - DMC 0,5/ 3-G1-2,54 SMD R24 - 1845030

Dimensional drawing



Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |

Approvals

Approvals

Approvals

cULus Recognized / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / EAC

Ex Approvals

Approval details

|                                                                                                                                                                                        |       |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|
| cULus Recognized <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E60425-19920306 |       |      |
|                                                                                                                                                                                        | B     | C    |
| Nominal current I <sub>N</sub>                                                                                                                                                         | 6 A   | 6 A  |
| Nominal voltage U <sub>N</sub>                                                                                                                                                         | 150 V | 50 V |

## Printed-circuit board connector - DMC 0,5/ 3-G1-2,54 SMD R24 - 1845030

### Approvals

|                                                                                                                                                                                      |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| VDE Gutachten mit Fertigungsüberwachung  <a href="http://www.vde.de">http://www.vde.de</a> 40042389 |       |
| Nominal current I <sub>N</sub>                                                                                                                                                       | 6 A   |
| Nominal voltage U <sub>N</sub>                                                                                                                                                       | 160 V |

|                                                                                                                                                                       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| IECEE CB Scheme  <a href="http://www.iecee.org/">http://www.iecee.org/</a> DE1-55740 |       |
| Nominal current I <sub>N</sub>                                                                                                                                        | 6 A   |
| Nominal voltage U <sub>N</sub>                                                                                                                                        | 160 V |

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

### Accessories

#### Accessories

##### Labeled terminal marker

Marker card - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 2.54 mm, Lettering field: 2.54 x 2.8 mm

Sample set - SAMPLE DMC 0,5/ 3-G1-2,54 SMD - 1859809



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering

### Additional products

## Printed-circuit board connector - DMC 0,5/ 3-G1-2,54 SMD R24 - 1845030

### Accessories

Printed-circuit board connector - DFMC 0,5/ 3-ST-2,54 - 1844581



Plug, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 3 with 6 contacts, pitch: 2.54 mm, connection method: spring connection, color: black, contact surface: gold