# Base strip - MCVU 1,5/ 3-GFD-3,81 - 1833030

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://download.phoenixcontact.com)

The figure shows a 10-position version of the product

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

## Why buy this product

- Shock-proof connection block in combination with MC plug-in system
- Direct plug-in block with mounting flanges for screw connection on mounting plates or unit housing
- Version with threaded flange

## Key commercial data

| | |
|---|---|
| Packing unit | 1 |
| Minimum order quantity | 50 |
| Catalog page | Page 227 (CC-2011) |
| GTIN | 4 017918 051723 |
| Custom tariff number | 85369010 |
| Country of origin | POLAND |

## Technical data

### Dimensions / positions

| | |
|---|---|
| Pitch | 3.81 mm |
| Dimension a | 7.62 mm |
| Number of positions | 3 |
| Screw thread | M2 |
| Tightening torque, min | 0.22 Nm |
| Tightening torque max | 0.25 Nm |

### Technical data

| | |
|---|---|
| Range of articles | MCVU 1,5/..-GFD |
| Insulating material group | I |
| Rated surge voltage (III/3) | 2.5 kV |
| Rated surge voltage (III/2) | 2.5 kV |

# Base strip - MCVU 1,5/ 3-GFD-3,81 - 1833030

## Technical data

### Technical data

| | |
|---|---|
| Rated surge voltage (II/2) | 2.5 kV |
| Rated voltage (III/2) | 160 V |
| Rated voltage (II/2) | 320 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current IN | 8 A |
| Nominal voltage UN | 160 V |
| Nominal cross section | 1.5 mm² |
| Maximum load current | 8 A |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 7 mm |
| Nominal voltage, UL/CUL Use Group B | 300 V |
| Nominal current, UL/CUL Use Group B | 8 A |
| Nominal voltage, UL/CUL Use Group D | 300 V |
| Nominal current, UL/CUL Use Group D | 8 A |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 1.5 mm² |
| Conductor cross section stranded min. | 0.14 mm² |
| Conductor cross section stranded max. | 1.5 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 1.5 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 0.5 mm² |
| Conductor cross section AWG/kcmil min. | 28 |
| Conductor cross section AWG/kcmil max | 16 |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 0.5 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 0.75 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.34 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm² |
| Minimum AWG according to UL/CUL | 30 |

# Base strip - MCVU 1,5/ 3-GFD-3,81 - 1833030

## Technical data

### Connection data

| | |
|---|---|
| Maximum AWG according to UL/CUL | 14 |

## Classifications

### eclass

| | |
|---|---|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |

### etim

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

### unspsc

| | |
|---|---|
| UNSPSC 6.01 | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11 | 39121409 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121409 |

## Approvals

### Approvals

Approvals

CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / GOST / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

# Base strip - MCVU 1,5/ 3-GFD-3,81 - 1833030

## Approvals

CSA

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 28-16 | 28-16 |
| Nominal current IN | 8 A | 8 A |
| Nominal voltage UN | 300 V | 300 V |

UL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 30-14 | 30-14 |
| Nominal current IN | 8 A | 8 A |
| Nominal voltage UN | 300 V | 300 V |

VDE report with production monitoring

| | |
|---|---|
| mm²/AWG/kcmil | 0.2-1.5 |
| Nominal current IN | 8 A |
| Nominal voltage UN | 160 V |

cUL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 30-14 | 30-14 |
| Nominal current IN | 8 A | 8 A |
| Nominal voltage UN | 300 V | 300 V |

GOST

IECEE CB Scheme

| | |
|---|---|
| mm²/AWG/kcmil | 0.2-1.5 |
| Nominal current IN | 8 A |
| Nominal voltage UN | 160 V |

# Base strip - MCVU 1,5/ 3-GFD-3,81 - 1833030

## Approvals

GOST

cULus Recognized

## Accessories

### Accessories

### Marking

Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109

Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 3.81 mm

### Plug/Adapter

Coding profile - CP-MSTB - 1734634

Keying profile, is inserted into the slot on the plug or inverted header, red insulating material

### Tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037

Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

### Additional products

# Base strip - MCVU 1,5/ 3-GFD-3,81 - 1833030

## Accessories

Printed-circuit board connector - MC 1,5/ 3-STF-3,81 - 1827716

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

---

Printed-circuit board connector - MCC 1/ 3-STZF-3,81 - 1852370

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

---

Printed-circuit board connector - FK-MCP 1,5/ 3-STF-3,81 - 1851245

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

---

Printed-circuit board connector - FRONT-MC 1,5/ 3-STF-3,81 - 1850864

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

---

Printed-circuit board connector - MCVW 1,5/ 3-STF-3,81 - 1828508

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

---

Printed-circuit board connector - QC 0,5/ 3-STF-3,81 - 1897555

Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Insulation displacement connection QUICKON, Color: green, Contact surface: Tin

# Base strip - MCVU 1,5/ 3-GFD-3,81 - 1833030

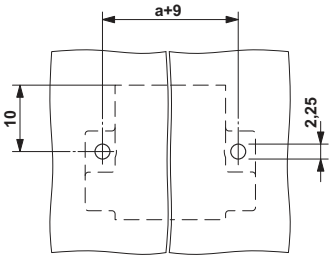
## Accessories

Printed-circuit board connector - MCVR 1,5/ 3-STF-3,81 - 1828359

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

## Drawings

Drilling diagram




Dimensioned drawing