

Base strip - MCVU 1,5/ 6-GFD-3,81 - 1833069

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>)



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin, mounting: Direct mounting

The figure shows a 10-position version of the product

Why buy this product

- ✓ Screwable flange for superior mechanical stability
- ✓ Laterally mounted flange for screw connection in the housing or on the mounting plate
- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 051754
GTIN	4017918051754
Weight per Piece (excluding packing)	6.960 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Length [l]	20.3 mm
Width [w]	33.25 mm
Height [h]	12.5 mm
Pitch	3.81 mm
Dimension a	19.05 mm

General

Range of articles	MCVU 1,5/...-GFD
Type of contact	Male connector

Base strip - MCVU 1,5/ 6-GFD-3,81 - 1833069

Technical data

General

Number of positions	6
Connection method	Screw connection with tension sleeve
Insulating material group	I
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)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1.5 mm ²
Maximum load current	8 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²

Base strip - MCVU 1,5/ 6-GFD-3,81 - 1833069

Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

Standards and Regulations

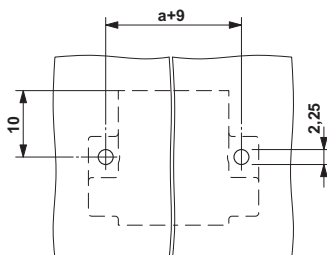
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

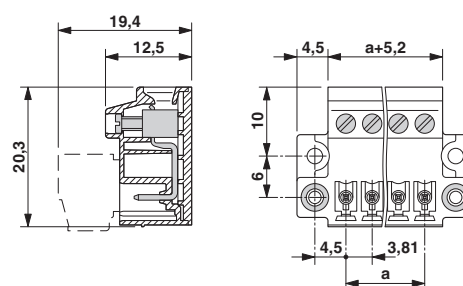
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Drilling diagram



Dimensional drawing



Classifications

eCl@ss

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
eCl@ss 8.0	27141106
eCl@ss 9.0	27141106

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC001284
ETIM 6.0	EC001284

Base strip - MCVU 1,5/ 6-GFD-3,81 - 1833069

Classifications

UNSPSC

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

Approvals

Approvals

Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / CCA / cULus Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	D	
mm²/AWG/kcmil	28-16	28-16	
Nominal current I _N	8 A	8 A	
Nominal voltage U _N	300 V	300 V	

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40011723
mm²/AWG/kcmil	0.2-1.5		
Nominal current I _N	8 A		
Nominal voltage U _N	160 V		

IECEE CB Scheme		http://www.iecee.org/	DE1-58415-B1B2
mm²/AWG/kcmil	0.2-1.5		
Nominal current I _N	8 A		
Nominal voltage U _N	160 V		

Base strip - MCVU 1,5/ 6-GFD-3,81 - 1833069

Approvals

CCA	CCA/ DE1 34219
mm²/AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128
	B	D	
mm²/AWG/kcmil	30-14	30-14	
Nominal current I _N	8 A	8 A	
Nominal voltage U _N	300 V	300 V	

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

Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634



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

Labeled terminal marker

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



Marker card, 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, Lettering field: 3.81 x 2.8 mm

Screwdriver tools

Base strip - MCVU 1,5/ 6-GFD-3,81 - 1833069

Accessories

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



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

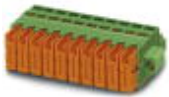
Additional products

Printed-circuit board connector - MCVR 1,5/ 6-STF-3,81 - 1828388



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - QC 0,5/ 6-STF-3,81 - 1897584



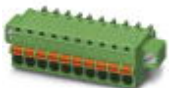
Plug component, nominal current: 6 A, rated voltage (III/2): 200 V, number of positions: 6, pitch: 3.81 mm, connection method: Displacement connection, Color: green, contact surface: Tin

Printed-circuit board connector - MCC 1/ 6-STZF-3,81 - 1852406



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, 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/ 6-STF-3,81 - 1851274



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 3.81 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Base strip - MCVU 1,5/ 6-GFD-3,81 - 1833069

Accessories

Printed-circuit board connector - FRONT-MC 1,5/ 6-STF-3,81 - 1850893



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 3.81 mm, connection method: Front screw connection, Color: green, contact surface: Tin

Printed-circuit board connector - MC 1,5/ 6-STF-3,81 - 1827745



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - MCVW 1,5/ 6-STF-3,81 - 1828537



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin