

Printed-circuit board connector - MCVR 1,5/13-STF-3,5 - 1863411

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: 13, Pitch: 3.5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

- ☒ Generously dimensioned wiring space
- ☒ Compact dimensions of the MCV 1,5 plug range
- ☒ Plug for vertical plug-in direction
- ☒ Individual position coding by removing the coding tab and connecting the coding profile to the header



Key commercial data

Packing unit	50 pc
GTIN	 4 017918 121228
Weight per Piece (excluding packing)	10.48 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Height	12.5 mm
Pitch	3.5 mm
Dimension a	42 mm

General

Range of articles	MCVR 1,5/...STF
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

Printed-circuit board connector - MCVR 1,5/13-STF-3,5 - 1863411

Technical data

General

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 (with 1.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	13
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 stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.08 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.08 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
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Minimum AWG according to UL/CUL	30

Printed-circuit board connector - MCVR 1,5/13-STF-3,5 - 1863411

Technical data

Connection data

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

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	27440309

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

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - MCVR 1,5/13-STF-3,5 - 1863411

Approvals

UL Recognized 		
	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

VDE Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

cUL Recognized 		
	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

IECEE CB Scheme 	
mm²/AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

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

EAC

Printed-circuit board connector - MCVR 1,5/13-STF-3,5 - 1863411

Approvals

cULus Recognized  US

Accessories

Accessories

Labeled terminal marker

Marker card - SK 3,5/2,8:FORTL.ZAHLEN - 0804073



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 3.5 mm, Lettering field: 3.5 x 2.8 mm

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Screwdriver tools

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

Terminal marking

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

Printed-circuit board connector - MCVR 1,5/13-STF-3,5 - 1863411

Accessories

Additional products

Base strip - MCV 1,5/13-GF-3,5 - 1843334

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 13, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - MC 1,5/13-GF-3,5 - 1843907

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 13, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - EMCV 1,5/13-GF-3,5 - 1911279

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 13, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Mounting: Press-in



Base strip - EMC 1,5/13-GF-3,5 - 1897351

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 13, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Mounting: Press-in



Drawings

Dimensioned drawing



