

Printed-circuit board connector - MCVW 1,5/ 6-ST-3,5 - 1862894

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>)



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 6, Pitch: 3.5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

Product Features

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

Key commercial data

package_quantity	50
GTIN	4017918120702

Technical data

Dimensions

Height	12.5 mm
Pitch	3.5 mm
Dimension a	17.5 mm

General

Range of articles	MCVW 1,5/...-ST
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 (with 1.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0

Printed-circuit board connector - MCVW 1,5/ 6-ST-3,5 - 1862894

Technical data

General

Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	6
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
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

Printed-circuit board connector - MCVW 1,5/ 6-ST-3,5 - 1862894

classifications

eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	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

VDE Gutachten mit Fertigungsüberwachung / GOST / IECEx CB Scheme / UL Recognized / cUL Recognized / GOST / CCA / cULus Recognized /

Approval details

VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	160 V
Nominal current IN	8 A
mm²/AWG/kcmil	0.2-1.5

GOST 
--

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

Printed-circuit board connector - MCVW 1,5/ 6-ST-3,5 - 1862894

approvals

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

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



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

cULus Recognized 	
--	--

accessories

Labeled terminal marker

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



Screwdriver tools

Printed-circuit board connector - MCVW 1,5/ 6-ST-3,5 - 1862894

accessories

SZS 0,4X2,5 VDE - 1205037



Terminal marking

SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker pen

B-STIFT - 1051993



accessories

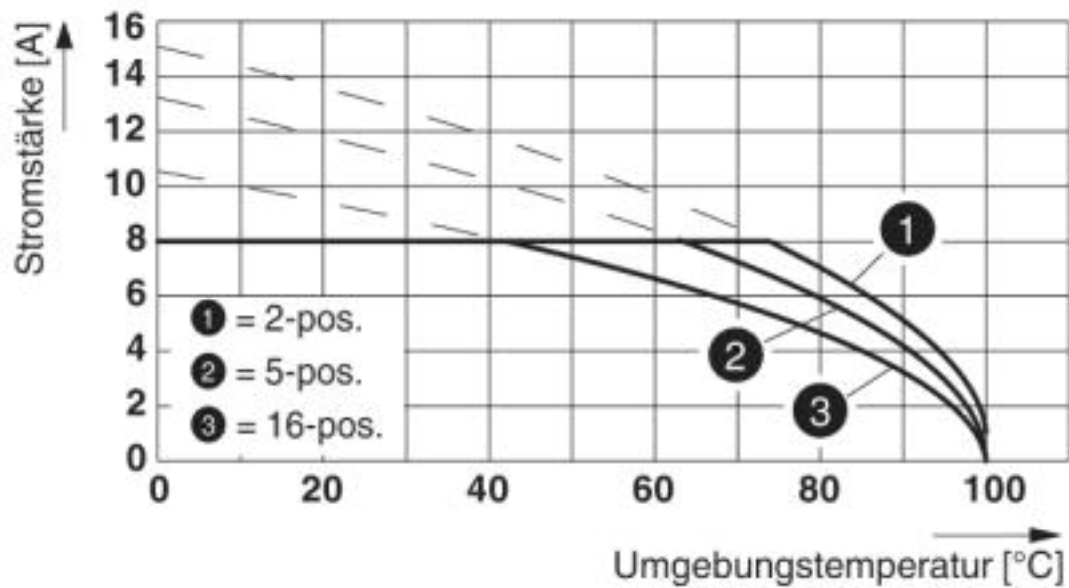
SK 3,5/2,8:SO - 0805030



Drawings

Printed-circuit board connector - MCVW 1,5/ 6-ST-3,5 - 1862894

Diagram



Type: MCVW 1,5/...-ST-3,5 with MC 1,5/...-G-3,5

Diagram

Type: MCVW 1,5/...-ST-3,5 with MCV 1,5/...-G-3,5

Dimensioned drawing