Printed-circuit board connector - MCVR 1,5/ 3-ST-3,81 BK - 1859700

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: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: Black, Contact surface: Tin

Key commercial data

package_quantity	50
GTIN	4017918265403

Technical data

Dimensions

Height	12.5 mm
Pitch	3.81 mm
Dimension a	7.62 mm

General

Range of articles	MCVR 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 mm²
Maximum load current	8 A (with 1.5 mm² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A 1
Stripping length	7 mm
Number of positions	3
Screw thread	M2
Tightening torque, min	0.22 Nm

Printed-circuit board connector - MCVR 1,5/ 3-ST-3,81 BK - 1859700

Technical data

General

Tightening torque max	0.25 Nm

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.	0.08 mm²
2 conductors with same cross section, solid max.	0.5 mm²
2 conductors with same cross section, stranded min.	0.08 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
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	27440402

ETIM

Printed-circuit board connector - MCVR 1,5/ 3-ST-3,81 BK - 1859700

classifications

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

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

Approval details

CSA

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

VDE Gutachten mit Fertigungsüberwachung

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

GOST

IECEE CB Scheme

Printed-circuit board connector - MCVR 1,5/ 3-ST-3,81 BK - 1859700

approvals

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

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

Screwdriver tools

Printed-circuit board connector - MCVR 1,5/ 3-ST-3,81 BK - 1859700

accessories

SZS 0,4X2,5 VDE - 1205037



Labeled terminal marker

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



Terminal marking

SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker pen

B-STIFT - 1051993



Printed-circuit board connector - MCVR 1,5/ 3-ST-3,81 BK - 1859700

accessories

SK 3,81/2,8:SO - 0805056



Drawings

Diagram

Type: MCVR 1,5/...-ST-3,81 with MCDV 1,5/...-G-3,81

© Phoenix Contact 2013 - all rights reserved
http://www.phoenixcontact.com