

Printed-circuit board connector - IMC 1,5/10-STGF-3,81 - 1858112

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 10, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

Product Features

- ✓ Possible combinations with MC 1,5 plugs for free-hanging connections
- ✓ Possible combinations with IMC base strips for clear separation of PCB inputs/outputs
- ✓ Pitch: 3.81 mm
- ✓ Individual position coding by connecting the coding profile to the inverted plug and removing the coding tab on the counterpart
- ✓ Use in shock-proof applications

Key commercial data

package_quantity	50
GTIN	4017918144357

Technical data

Dimensions

Pitch	3.81 mm
Dimension a	34.29 mm

General

Range of articles	IMC 1,5/...-STGF
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
Inflammability class according to UL 94	V0

Printed-circuit board connector - IMC 1,5/10-STGF-3,81 - 1858112

Technical data

General

Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	10
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.	0.2 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 - IMC 1,5/10-STGF-3,81 - 1858112

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

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

Approval details

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

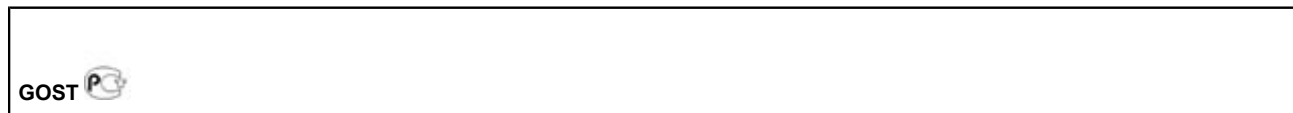
VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	160 V
Nominal current IN	8 A
mm²/AWG/kcmil	0.2-1.5

cUL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V

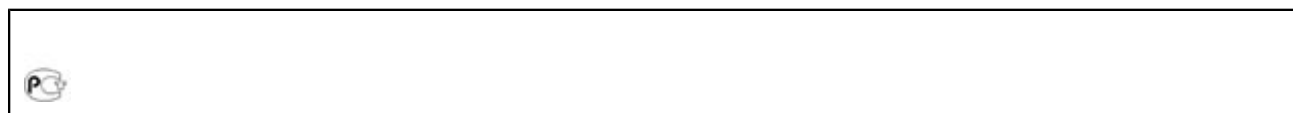
Printed-circuit board connector - IMC 1,5/10-STGF-3,81 - 1858112

approvals

Usegroups	B	D
Nominal current I _N	8 A	8 A
mm ² /AWG/kcmil	30-14	30-14



IECEE CB Scheme 	
Nominal voltage U _N	160 V
Nominal current I _N	8 A
mm ² /AWG/kcmil	0.2-1.5



CCA	
Nominal voltage U _N	160 V
Nominal current I _N	8 A
mm ² /AWG/kcmil	0.2-1.5



accessories

Coding element

CP-MSTB - 1734634



Screwdriver tools

Printed-circuit board connector - IMC 1,5/10-STGF-3,81 - 1858112

accessories

SZS 0,4X2,5 VDE - 1205037



Labeled terminal marker

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



Cable housing

KGG-MC 1,5/ 2 - 1834343



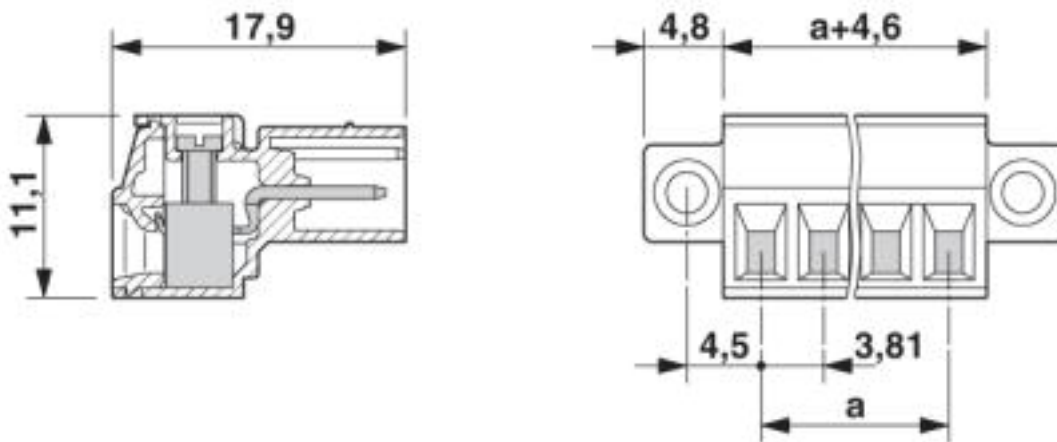
KGG-MC 1,5/ 6 - 1834385



Drawings

Printed-circuit board connector - IMC 1,5/10-STGF-3,81 - 1858112

Dimensioned drawing



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