

► General data



Plug component, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 16, type of connection: Screw connection

Order number	1850990
Type	FRONT-MC 1,5/16-STF-3,81

Barcode number	4017918110000
Unit pack	50 Piece
Customs tariff	85369010000

► Technical data

Dimensions / positions

Pitch	3.81 mm
Dimension a	57.15 mm
Number of positions	16
Screw thread	M 2
Tightening torque	0.22 Nm

Technical data

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/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal voltage U_N	160 V
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 acc. to UL 94	V0
Internal cylindrical gage	A 1
Stripping length	9 mm

Connection data

Min. conductor cross section, rigid	0.14 mm ²
Conductor cross section, rigid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Max. conductor cross section, flexible	1.5 mm ²
Min. conductor cross section, flexible, with ferrule with plastic sleeve	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
Max. conductor cross section, flexible, with ferrule with plastic sleeve	0.5 mm ²
Min. conductor cross section AWG/kcmil	28
Conductor cross section AWG/kcmil 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 of the same cross section, flexible, min.	0.14 mm ²
2 conductors with same cross section, flexible max.	0.75 mm ²
2 conductors of the same cross section, flexible, with AEH without plastic sleeve, min.	0.25 mm ²
2 conductors with identical cross section, flexible with AEH with plastic sleeve max.	0.34 mm ²
2 conductors of the same cross section, flexible, with TWIN-AEH with plastic sleeve, min.	0.5 mm ²
2 conductors with identical cross section, flexible with TWIN-AEH with plastic sleeve max.	0.5 mm ²

► Certificates

UL

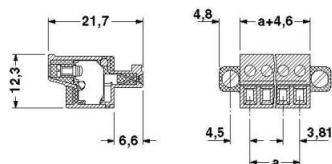
Nominal voltage U_N	300 V
Nominal current I_N	8 A
AWG/kcmil	30-16

CSA

Nominal voltage U_N	300 V
Nominal current I_N	8 A
AWG/kcmil	28-16

▶ Drawings

Dimensioned drawing



Approval logo



► Accessories

Item	Designation	Description
Marking		
0804109	SK 3,81/2,8:FORTL.ZAHLEN	Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 140 terminal blocks
Tools		
1205037	SZS 0,4X2,5	Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm ² connection cross section, blade: 0.4 x 2.5 mm

► Additional products

General

1829471	DFK-MC 1,5/16-GF-3,81
1897089	EMC 1,5/16-GF-3,81
1879421	EMCV 1,5/16-GF-3,81
1858170	IMC 1,5/16-STGF-3,81
1828003	MC 1,5/16-GF-3,81
1843062	MCD 1,5/16-G1F-3,81
1830240	MCD 1,5/16-GF-3,81
1842908	MCDV 1,5/16-G1F-3,81
1830392	MCDV 1,5/16-GF-3,81
1830732	MCV 1,5/16-GF-3,81
1833014	MCVK 1,5/16-GF-3,81
1833166	MCVU 1,5/16-GFD-3,81
1827567	SMC 1,5/16-GF-3,81

► Address

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