Printed-circuit board connector - DFMC 1,5/ 9-ST-3,5 - 1790179

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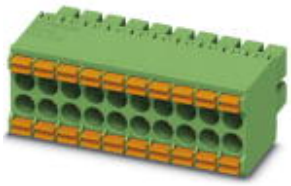

The figure shows a 10-pos. version with 20 contacts

Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9 with 18 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin

Why buy this product

- Combination with very flat DMC headers
- Versions with and without screw flanges and Lock & Release levers
- Conductor cross section of up to 1.5 mm²
- Ultra-flat design height of 13.3 mm
- Fast conductor connection by means of Push-in direct plug-in technology
- Lock & Release levers lock the plug to the header and also serve as a release tool

Key commercial data

Packing unit	50 pc
GTIN	4 046356 594325
Weight per Piece (excluding packing)	9.37 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length	22.65 mm
Height	13.25 mm
Pitch	3.5 mm
Dimension a	28 mm

General

Range of articles	DFMC 1,5/..-ST
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV

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Technical data

General

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)	250 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
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	10 mm
Number of positions	9

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section stranded min.	0.2 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.	0.75 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Minimum AWG according to UL/CUL	16
Maximum AWG according to UL/CUL	24

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

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Classifications

ETIM

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 / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

		B	C
mm²/AWG/kcmil	16-24	16-24	
Nominal current IN	8 A	8 A	
Nominal voltage UN	150 V	50 V	

cUL Recognized

		B	C
mm²/AWG/kcmil	16-24	16-24	
Nominal current IN	8 A	8 A	
Nominal voltage UN	150 V	50 V	

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Approvals

VDE Gutachten mit Fertigungsüberwachung

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

IECEE CB Scheme

Nominal current IN	8 A
Nominal voltage UN	160 V

cULus Recognized

Accessories

Accessories

Coding element

Coding profile - CP-DMC 1,5 NAT - 1790647

Coding profile, for plugging into the coding ribs of the plug or header at a later date, insulating material, color: natural

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Screwdriver tools

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Accessories

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

Additional products

Printed-circuit board connector - DMC 1,5/ 9-G1-3,5 P20THR - 1786905

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR

Printed-circuit board connector - DMCV 1,5/ 9-G1-3,5 P20THR - 1787276

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR

Printed-circuit board connector - DMC 1,5/ 9-G1-3,5 P20THR R56 - 1818494

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: Taped SMD/THT/THR components

Printed-circuit board connector - DMCV 1,5/ 9-G1-3,5 P20THR R56 - 1818643

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: Taped SMD/THT/THR components

Drawings

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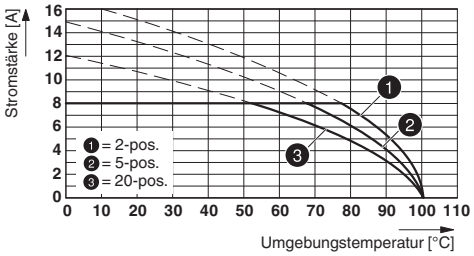
Diagram

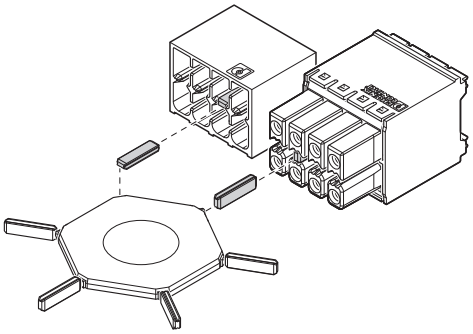
Typ:
DFMC 1,5/..-ST-3,5 with DMCV 1,5/..-G1-3,5 P20 THR

Diagram

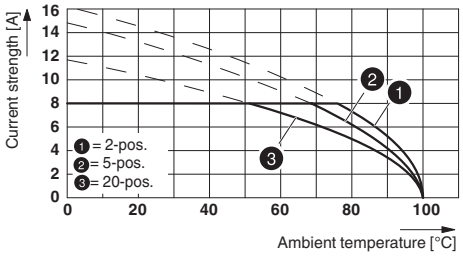


Typ: DFMC 1,5/..-ST-3,5 with DMCV 1,5/..-G1-3,5 P20 THR

Schematic diagram



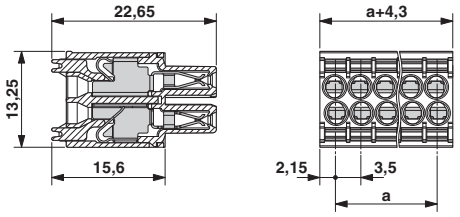
Diagram



Type: DFMC 1,5/...-ST-3,5 with DMC 1,5/...-G1-3,5 P20 THR

Use of the CP-DMC... coding profile

Dimensioned drawing



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