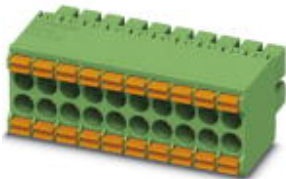


Printed-circuit board connector - DFMC 1,5/ 8-ST-3,5 - 1790166

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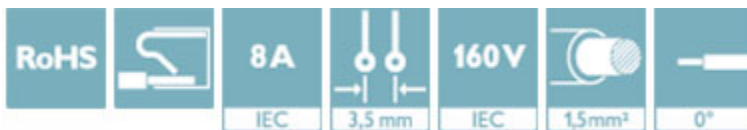
Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 8 with 16 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin



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

Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Intuitive use through colour coded actuation lever
- ✓ Optimized for tight installation situations: operation and conductor connection from one direction



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 594318
GTIN	4046356594318
Weight per Piece (excluding packing)	8.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	23.35 mm
Width [w]	28.8 mm
Height [h]	13.25 mm
Pitch	3.5 mm
Dimension a	24.5 mm

Printed-circuit board connector - DFMC 1,5/ 8-ST-3,5 - 1790166

Technical data

General

Range of articles	DFMC 1,5/...-ST
Type of contact	Female connector
Number of positions	8
Connection method	Push-in spring connection
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)	250 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
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	10 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	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
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Minimum AWG according to UL/CUL	16
Maximum AWG according to UL/CUL	24

Specifications for ferrules

Ferrules without insulating collar, according to DIN 46228-1	Cross section: 0.25 mm ² ; Length: 5 mm ... 7 mm
	Cross section: 0.34 mm ² ; Length: 7 mm
	Cross section: 0.5 mm ² ; Length: 8 mm ... 10 mm

Printed-circuit board connector - DFMC 1,5/ 8-ST-3,5 - 1790166

Technical data

Specifications for ferrules

	Cross section: 0.75 mm²; Length: 8 mm ... 10 mm
	Cross section: 1 mm²; Length: 8 mm ... 10 mm
	Cross section: 1.5 mm²; Length: 10 mm
Ferrules with insulating collar, according to DIN 46228-4	Cross section: 0.14 mm²; Length: 8 mm
	Cross section: 0.25 mm²; Length: 8 mm ... 10 mm
	Cross section: 0.34 mm²; Length: 8 mm ... 10 mm
	Cross section: 0.5 mm²; Length: 8 mm ... 10 mm
	Cross section: 0.75 mm²; Length: 8 mm ... 10 mm

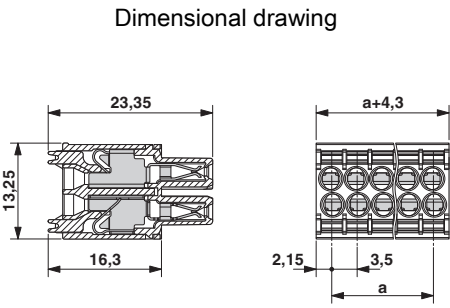
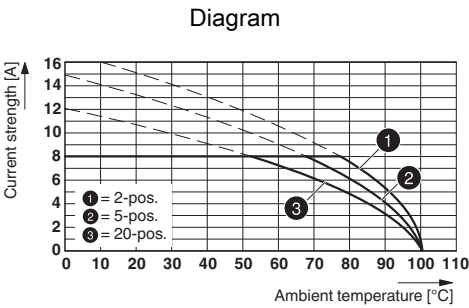
Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

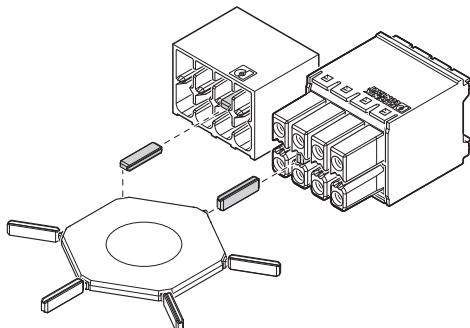
Drawings



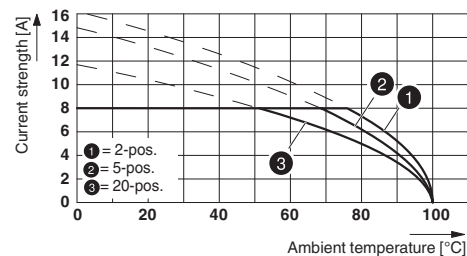
Typ: DFMC 1,5/...-ST-3,5 with DMCV 1,5/...-G1-3,5 P20 THR

Printed-circuit board connector - DFMC 1,5/ 8-ST-3,5 - 1790166

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

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
eCl@ss 9.0	27440309

ETIM

ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Printed-circuit board connector - DFMC 1,5/ 8-ST-3,5 - 1790166

Approvals

Approvals

VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / cULus Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx	40038423
mm²/AWG/kcmil	0.2-1.5		
Nominal current I _N	8 A		
Nominal voltage U _N	160 V		

IECEE CB Scheme			http://www.iecee.org/	DE1-56070_B1_B2
Nominal current I _N		8 A		
Nominal voltage U _N		160 V		

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19920306
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EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19920306
	B	C	D
mm ² /AWG/kcmil	24-16	24-16	24-16
Nominal current I _N	8 A	8 A	8 A
Nominal voltage U _N	300 V	50 V	300 V

Printed-circuit board connector - DFMC 1,5/ 8-ST-3,5 - 1790166

Accessories

Accessories

Coding element

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



Coding profile, for insertion between the coding ribs of the connector and the header following the reflow soldering process, 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

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/ 8-G1-3,5 P20THR - 1786895



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - DFMC 1,5/ 8-ST-3,5 - 1790166

Accessories

Printed-circuit board connector - DMCV 1,5/ 8-G1-3,5 P20THR - 1787263



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - DMC 1,5/ 8-G1-3,5 P20THR R56 - 1816179



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - DMCV 1,5/ 8-G1-3,5 P20THR R56 - 1818630



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering