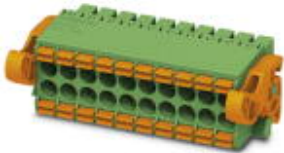


Printed-circuit board connector - DFMC 1,5/18-ST-3,5-LR - 1790645

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Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 18 with 36 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

- ✓ Combination with very flat DMC headers
- ✓ Ultra-flat design height of 13.3 mm
- ✓ Conductor cross section of up to 1.5 mm²
- ✓ 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 594707
Weight per Piece (excluding packing)	19.67 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length	27.75 mm
Height	13.25 mm
Width	70 mm
Pitch	3.50 mm
Dimension a	59.5 mm

General

Range of articles	DFMC 1,5/...-ST-LR
Insulating material group	I

Printed-circuit board connector - DFMC 1,5/18-ST-3,5-LR - 1790645

Technical data

General

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
Number of positions	18

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

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

VDE Gutachten mit Fertigungsüberwachung / IECEx CB Scheme / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

VDE Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

IECEx CB Scheme 	
Nominal current I _N	8 A
Nominal voltage U _N	160 V

Printed-circuit board connector - DFMC 1,5/18-ST-3,5-LR - 1790645

Approvals

cULus Recognized		
	B	C
mm²/AWG/kcmil	16-24	16-24
Nominal current I _N	8 A	8 A
Nominal voltage U _N	150 V	50 V

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

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 - DFMC 1,5/18-ST-3,5-LR - 1790645

Accessories

Printed-circuit board connector - DMC 1,5/18-G1F-3,5-LR P20THR - 1787179



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 18, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR

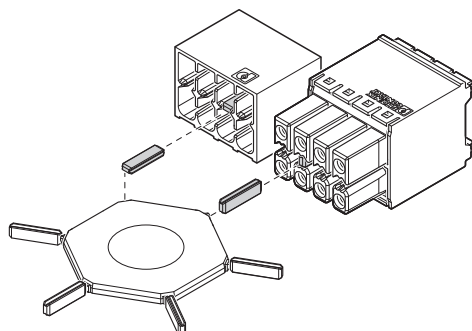
Printed-circuit board connector - DMCV 1,5/18-G1F-3,5-LR P20THR - 1787551



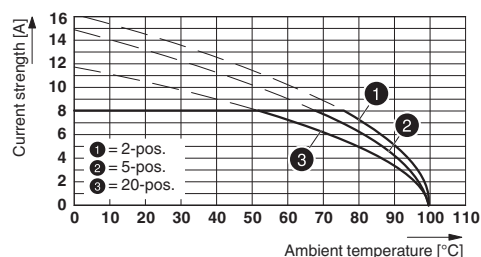
Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 18, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR

Drawings

Schematic diagram



Diagram



Type: DFMC 1,5/...-ST-3,5-LR with DMC 1,5/...-G1F-3,5-LR P20 THR

Use of the CP-DMC... coding profile

Dimensional drawing

