

# Printed-circuit board connector - DMCV 1,5/12-G1F-3,5-LR P20THR - 1787496

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR



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

## Why buy this product

- Taped headers available on request
- Headers with flange can be combined with plugs with screw flange or with Lock & Release levers
- At 8 mm, the distance from the edge of the PCB to the first row of holes is compatible with MC headers
- Extremely small THR double-level headers for SMT and wave soldering processes



## Key commercial data

Packing unit	50 pc
GTIN	 4 046356 597111
Weight per Piece (excluding packing)	5.2 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Dimensions

Length	10.6 mm
Height	12 mm
Pitch	3.5 mm
Dimension a	38.5 mm
Pin dimensions	0,8 x 0,8 mm
Pin spacing	5.50 mm
Hole diameter	1.4 mm

### General

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## Technical data

### General

Range of articles	DMCV 1,5/...G1F-THR
Insulating material group	IIIa
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
Maximum load current	8 A
Insulating material	LCP
Inflammability class according to UL 94	V0
Color	black
Number of positions	12

## 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
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

### ETIM

ETIM 4.0	EC002637
ETIM 5.0	EC002637

### UNSPSC

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

## Approvals

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# Printed-circuit board connector - DMCV 1,5/12-G1F-3,5-LR P20THR - 1787496

## Approvals

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### Approvals

UL Recognized / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / IEC60947-5 CB Scheme / cULus Recognized

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### Ex Approvals

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### Approvals submitted

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### Approval details

UL Recognized		
	B	C
Nominal current IN	8 A	8 A
Nominal voltage UN	150 V	50 V


cUL Recognized		
	B	C
Nominal current IN	8 A	8 A
Nominal voltage UN	150 V	50 V

VDE Gutachten mit Fertigungsüberwachung	
Nominal current IN	8 A
Nominal voltage UN	160 V

IEC60947-5 CB Scheme	
Nominal current IN	8 A
Nominal voltage UN	160 V

# Printed-circuit board connector - DMCV 1,5/12-G1F-3,5-LR P20THR - 1787496

## Approvals

cULus Recognized 

## Accessories

Accessories

Coding element

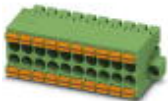
Coding profile - CP-DMC 1,5 NAT - 1790647

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



## Additional products

Printed-circuit board connector - DFMC 1,5/12-STF-3,5 - 1790399



Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12 with 24 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin

Printed-circuit board connector - DFMC 1,5/12-ST-3,5-LR - 1790580

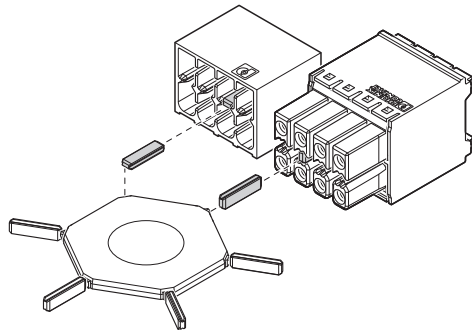


Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12 with 24 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin

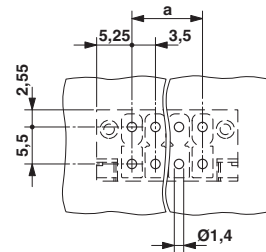
## Drawings

# Printed-circuit board connector - DMCV 1,5/12-G1F-3,5-LR P20THR - 1787496

Schematic diagram

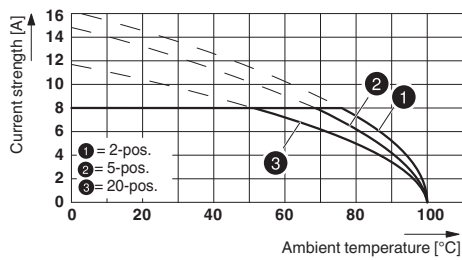


Drilling diagram

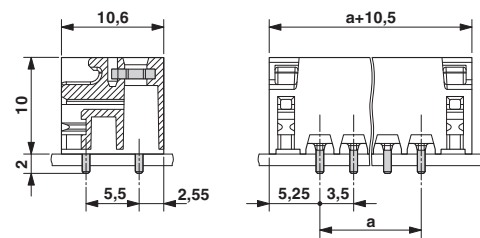


Use of the CP-DMC... coding profile

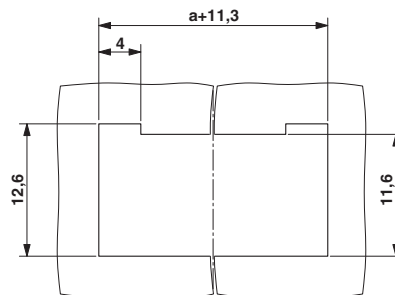
Diagram



Dimensioned drawing



Schematic diagram



Panel cutout