

# Printed-circuit board connector - DMC 1,5/20-G1F-3,5-LR P20THR - 1787195

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering




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

## Why buy this product

- Designed for integration into the SMT soldering process
- Screwable flange for superior mechanical stability
- Automatic locking and intuitive release through Lock and Release operating lever in contrasting color
- Conductor connection on several levels enables higher contact density
- Small component size for applications where space is at a premium



## Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 596800
GTIN	4046356596800
Weight per Piece (excluding packing)	9.390 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Dimensions

Length	11.6 mm
Pitch	3.5 mm
Dimension a	66.5 mm
Width	77 mm
Constructional height	10.8 mm
Height	12.8 mm

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## Technical data

### Dimensions

Length of the solder pin	2 mm
Pin dimensions	0,8 x 0,8
Pin spacing	2.50 mm
Hole diameter	1.4 mm

### General

Range of articles	DMC 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
Flammability rating according to UL 94	V0
Color	black
Number of positions	20

### Standards and Regulations

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

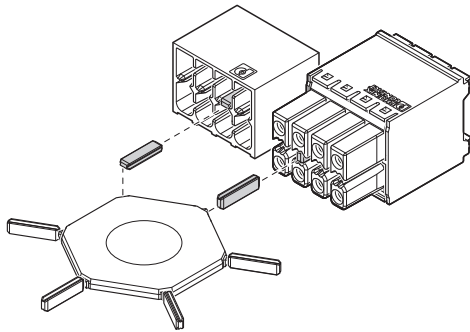
### Environmental Product Compliance

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

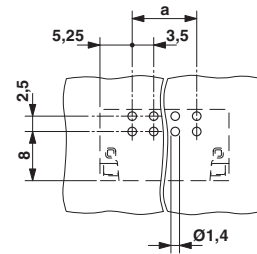
## Drawings

# Printed-circuit board connector - DMC 1,5/20-G1F-3,5-LR P20THR - 1787195

Schematic diagram

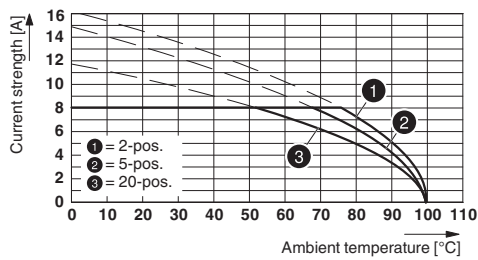


Drilling diagram

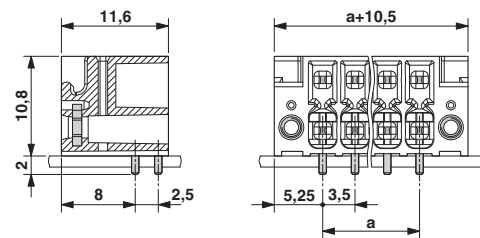


Use of the CP-DMC... coding profile

Diagram

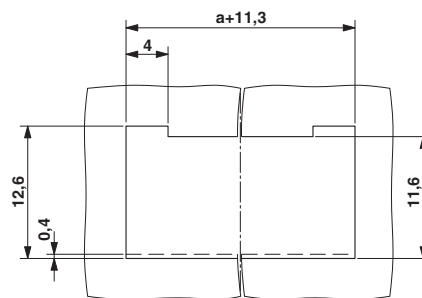


Dimensional drawing



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

Schematic diagram



Panel cutout

## 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

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## Classifications

### eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	27440402
eCl@ss 9.0	27440402

### ETIM

ETIM 4.0	EC002637
ETIM 5.0	EC002637
ETIM 6.0	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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#### Approvals

VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / cULus Recognized / EAC

#### Ex Approvals

### Approval details

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40038423
Nominal current I <sub>N</sub>	8 A		
Nominal voltage U <sub>N</sub>	160 V		

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-56070_B1_B2
Nominal current I <sub>N</sub>	8 A		

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## Approvals

Nominal voltage UN	160 V
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-20110128
Nominal current IN	B	C	
	8 A	8 A	
Nominal voltage UN	150 V	50 V	

EAC		B.01742
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## 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



## Additional products

Printed-circuit board connector - DFMC 1,5/20-STF-3,5 - 1790470



Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 20 with 40 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin

Printed-circuit board connector - DFMC 1,5/20-ST-3,5-LR - 1790661



Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 20 with 40 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin

