

Printed-circuit board connector - DMC 1,5/ 6-G1-3,5 P20THR - 1786879

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 6, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"




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

Why buy this product

- Designed for integration into the SMT soldering process
- 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 595100
GTIN	4046356595100
Weight per Piece (excluding packing)	3.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length	11.6 mm
Pitch	3.5 mm
Dimension a	17.5 mm
Width	21.8 mm
Constructional height	10.8 mm
Height	12.8 mm
Length of the solder pin	2 mm
Pin dimensions	0,8 x 0,8
Pin spacing	2.50 mm

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Technical data

Dimensions

Hole diameter	1.4 mm
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General

Range of articles	DMC 1,5/...G1-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	6

Standards and Regulations

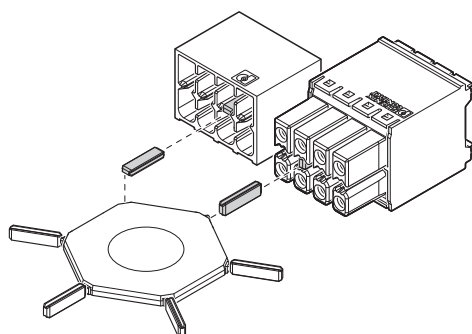
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

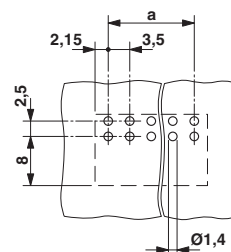
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Schematic diagram



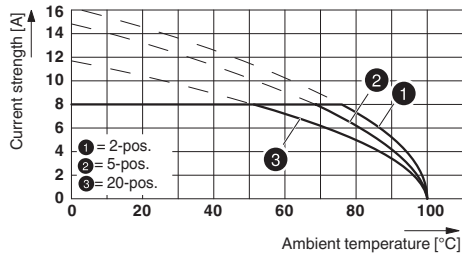
Drilling diagram



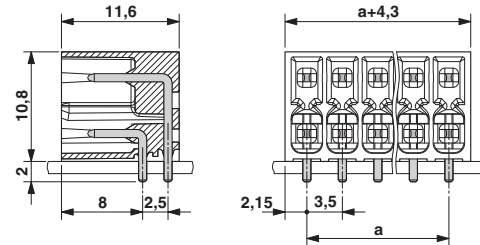
Use of the CP-DMC... coding profile

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Diagram



Dimensional drawing



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

Ex Approvals

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Approvals

Approval details

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40038423
Nominal current IN	8 A		
Nominal voltage UN	160 V		

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

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

EAC		B.01742
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Accessories

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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

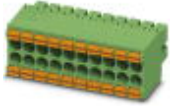


Additional products

Printed-circuit board connector - DMC 1,5/ 6-G1-3,5 P20THR - 1786879

Accessories

Printed-circuit board connector - DFMC 1,5/ 6-ST-3,5 - 1790140



Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6 with 12 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin