

Printed-circuit board connector - DMC 1,5/ 3-G1-3,5 P20THR R24-2 - 1816140

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Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 3, 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
- ✓ 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	1 STK
Minimum order quantity	180 STK
GTIN	 4 046356 757430
GTIN	4046356757430
Weight per Piece (excluding packing)	3.666 g
Custom tariff number	85366930
Country of origin	Germany

Technical data

Dimensions

Length	11.6 mm
Pitch	3.5 mm
Dimension a	7.00 mm

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Technical data

Dimensions

Width	11.30 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
Hole diameter	1.4 mm

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	3

Standards and Regulations

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

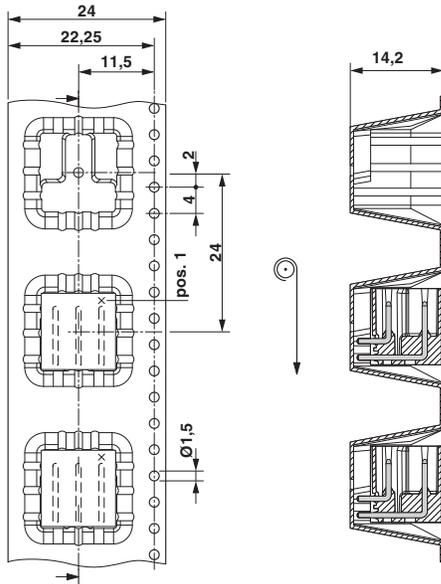
Environmental Product Compliance

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

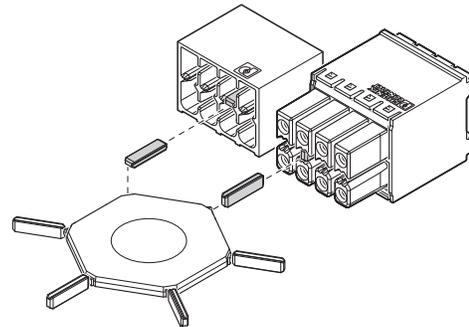
Drawings

Printed-circuit board connector - DMC 1,5/ 3-G1-3,5 P20THR R24-2 - 1816140

Dimensional drawing

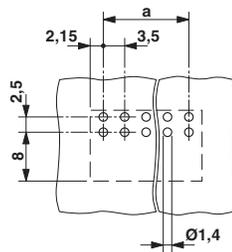


Schematic diagram

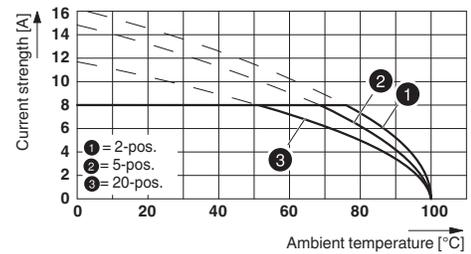


Use of the CP-DMC... coding profile

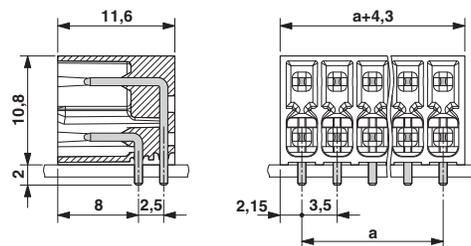
Drilling diagram



Diagram



Dimensional drawing



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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 3.0	EC001121
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 / IECCE CB Scheme / cULus Recognized / EAC

Ex Approvals

Approval details

Printed-circuit board connector - DMC 1,5/ 3-G1-3,5 P20THR R24-2 - 1816140

Approvals

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx	40038423
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	E60425-20110128
	B	C	
Nominal current I _N	8 A	8 A	
Nominal voltage U _N	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

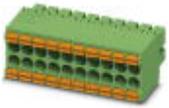


Additional products

Printed-circuit board connector - DMC 1,5/ 3-G1-3,5 P20THR R24-2 - 1816140

Accessories

Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5 - 1790111



Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 3 with 6 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin