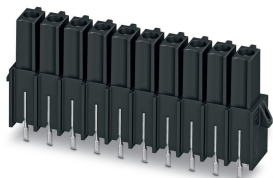


Feed-through header - IMCV 1,5/ 7-G-3,5 RN P20 THR - 1830919

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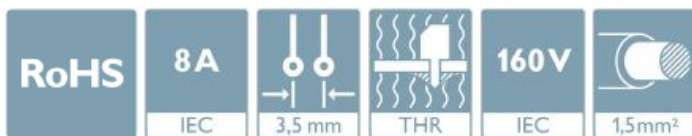


The figure shows a 10-position version of the product

PCB header, nominal cross section: 1.5 mm², color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 7, Number of rows: 1, Number of positions per row: 7, number of connections: 7, product range: IMCV 1,5/..-G-RN-THR, pitch: 3.5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 1.9 mm, plug-in system: MINI COMBICON, Locking: Snap-in locking, type of packaging: packed in cardboard

Your advantages

- ✓ Designed for integration into the SMT soldering process
- ✓ Intuitive locking mechanism prevents accidental disconnection
- ✓ Vertical connection enables multi-row arrangement on the PCB
- ✓ Inverted header with socket contacts for touch-proof device outputs or PCB/PCB connections



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 0 4 6 3 5 6 8 8 8 5 2 3
GTIN	4046356888523
Weight per Piece (excluding packing)	2.400 g
Custom tariff number	85366930
Country of origin	Germany

Technical data

Item properties

Brief article description	Feed-through header
Plug-in system	MINI COMBICON
Type of contact	Female connector

Feed-through header - IMCV 1,5/ 7-G-3,5 RN P20 THR - 1830919

Technical data

Item properties

Range of articles	IMCV 1,5/..-G-RN-THR
Pitch	3.5 mm
Number of positions	7
Mounting type	THR soldering
Pin layout	Linear pinning
Locking	Engagement nose
Number of levels	1
Number of connections	7
Number of potentials	7
Pin connector pattern alignment	Standard

Electrical parameters

Nominal current	8 A
Nom. voltage	160 V
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface contact area (top layer)	Tin (4 - 8 µm Sn)
Metal surface soldering area (top layer)	Tin (4 - 8 µm Sn)

Material data - housing

Housing color	black (9005)
Insulating material	LCP
Insulating material group	IIIa
CTI according to IEC 60112	175
Flammability rating according to UL 94	V0

Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Length [l]	6.3 mm

Feed-through header - IMCV 1,5/ 7-G-3,5 RN P20 THR - 1830919

Technical data

Dimensions for the product

Width [w]	25.3 mm
Height [h]	16.35 mm
Pitch	3.5 mm
Height (without solder pin)	14.45 mm
Solder pin [P]	1.9 mm
Pin spacing	3.81 mm
Pin dimensions	0.62 x 1.12 mm

Dimensions for PCB design

Hole diameter	1.2 mm
Pin spacing	3.81 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Air clearances and creepage distances

Standards and Regulations

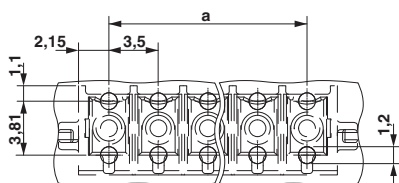
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

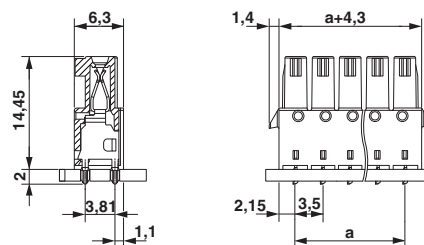
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Drilling diagram

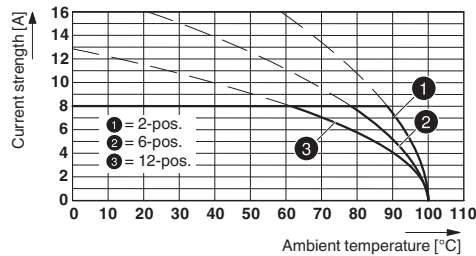


Dimensional drawing



Feed-through header - IMCV 1,5/ 7-G-3,5 RN P20 THR - 1830919

Diagram



Type: IMC(V) 1,5/...-G-3,5 THR with MC(V) 1,5/...-G-3,5 THR

Classifications

eCl@ss

eCl@ss 10.0.1	27440402
eCl@ss 11.0	27460201
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440402
eCl@ss 9.0	27440402

ETIM

ETIM 4.0	EC002637
ETIM 6.0	EC002637
ETIM 7.0	EC002637

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

Feed-through header - IMCV 1,5/ 7-G-3,5 RN P20 THR - 1830919

Approvals

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

Ex Approvals

Approval details

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40011723
Nominal voltage UN		160 V	
Nominal current IN		8 A	

IECEE CB Scheme		http://www.iecee.org/	DE1-60987-B1B2
Nominal voltage UN		160 V	
Nominal current IN		8 A	

EAC		B.01687	
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128
		B	D
Nominal voltage UN		300 V	300 V
Nominal current IN		8 A	8 A