

# Feed-through header - IC 2,5 HC/ 6-G-5,08 BK - 1808187

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

PCB headers, nominal current: 16 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 6, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: Wave soldering, pin layout: Linear double pinning, solder pin [P]: 3.5 mm



The figure shows a 10-position version of the product

## Your advantages

- Well-known mounting principle allows worldwide use
- Inverted header with socket contacts for touch-proof device outputs or PCB/PCB connections
- Integrated double steel spring provides additional safety in the event of temperature and power fluctuations



## Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	
GTIN	4046356694797
Weight per Piece (excluding packing)	7.160 g
Custom tariff number	85366930
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### Item properties

Brief article description	Feed-through header
Plug-in system	POWER COMBICON 2,5
Type of contact	Female connector
Range of articles	IC 2,5 HC/..-G
Pitch	5.08 mm
Number of positions	6
Mounting type	Wave soldering

## Feed-through header - IC 2,5 HC/ 6-G-5,08 BK - 1808187

### Technical data

#### Item properties

Pin layout	Linear double pinning
Locking	without
Number of levels	1
Number of connections	6
Number of potentials	6

#### Electrical parameters

Nominal current	16 A
Nom. voltage	320 V
Rated voltage	320 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV

#### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Metal surface contact area (top layer)	Tin (4 - 8 µm Sn)
Metal surface contact area (middle layer)	Nickel (2 - 3 µm Ni),
Metal surface soldering area (top layer)	Tin (5 - 7 µm Sn)
Metal surface soldering area (middle layer)	Nickel (2 - 3 µm Ni)

#### Material data - housing

Housing color	black (9005)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

#### Dimensions for the product

Length [ l ]	1.9 mm
Width [ w ]	32.48 mm
Height [ h ]	13.7 mm
Pitch	5.08 mm
Height (without solder pin)	10.2 mm
Solder pin [P]	3.5 mm
Pin spacing	5.04 mm

# Feed-through header - IC 2,5 HC/ 6-G-5,08 BK - 1808187

## Technical data

### Dimensions for the product

Pin dimensions	0.48 x 1.14 mm
Dimension a	25.4 mm

### Dimensions for PCB design

Hole diameter	1.4 mm
Pin spacing	5.04 mm

### Packaging information

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

### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL

### Environmental Product Compliance

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

## Classifications

### eCl@ss

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 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
ETIM 7.0	EC002637

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409

## Feed-through header - IC 2,5 HC/ 6-G-5,08 BK - 1808187

### Classifications

#### UNSPSC

UNSPSC 12.01	39121409
UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

### Approvals

#### Approvals

---

Approvals

EAC

---

Ex Approvals

---

#### Approval details

EAC		B.01742
-----	---	---------

---