

## Feed-through header - EMCV 1,5/12-G-3,81 - 1860744

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PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology



The figure shows a 10-position version of the product

### Your advantages

- ✓ Long-term stable press-in connection ensures high holding force without thermal load
- ✓ Vertical connection enables multi-row arrangement on the PCB
- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	
GTIN	4017918133337
Weight per Piece (excluding packing)	3.340 g
Custom tariff number	85366930
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	7.25 mm
Width	47.11 mm
Pitch	3.81 mm
Dimension a	41.91 mm

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### Technical data

#### Dimensions

Width [ w ]	47.11 mm
Height [ h ]	13 mm
Height	10 mm
Length of the solder pin	3.8 mm
Pin dimensions	0.8 x 0.8 mm
Length	7.25 mm

#### General

Range of articles	EMCV 1,5/...-G
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 <sub>N</sub>	8 A
Maximum load current	8 A
Insulating material	PBT
Flammability rating according to UL 94	V0
Color	green
Number of positions	12

#### Standards and Regulations

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

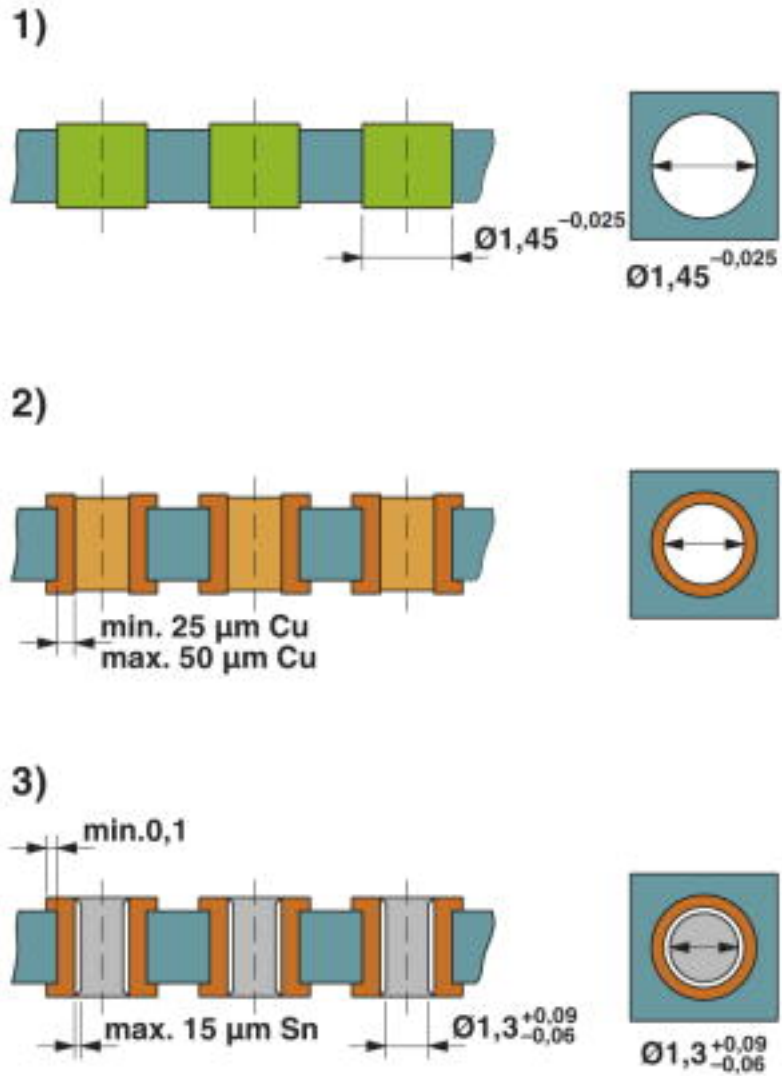
#### Environmental Product Compliance

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

### Drawings

# Feed-through header - EMCV 1,5/12-G-3,81 - 1860744

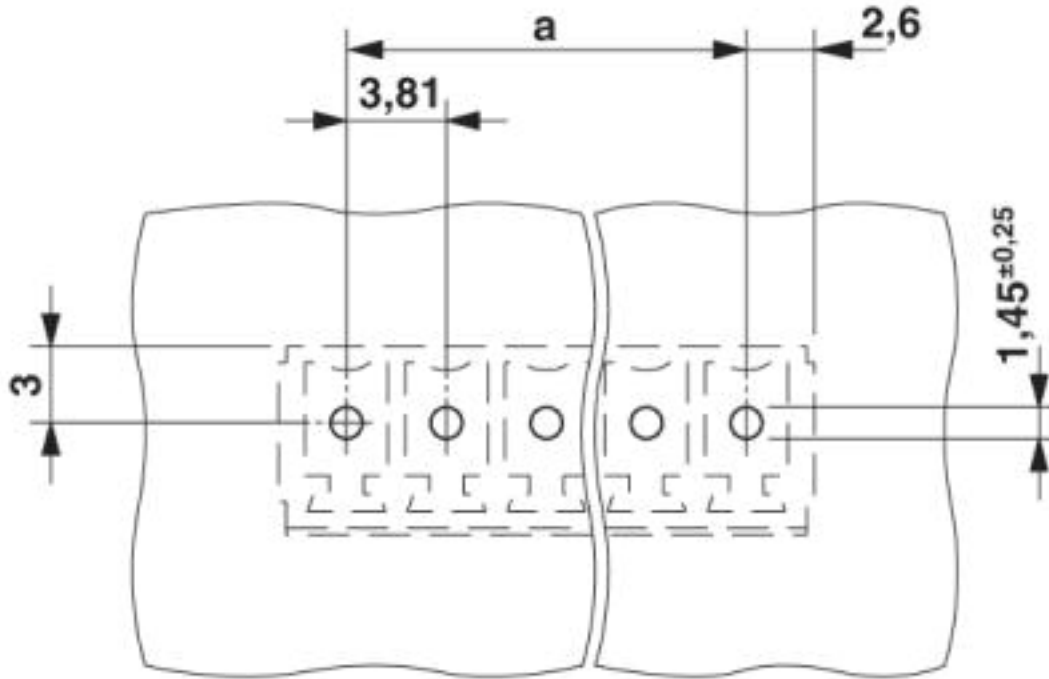
Drilling diagram



Drill hole layout in FR4 or EP-GC basic material

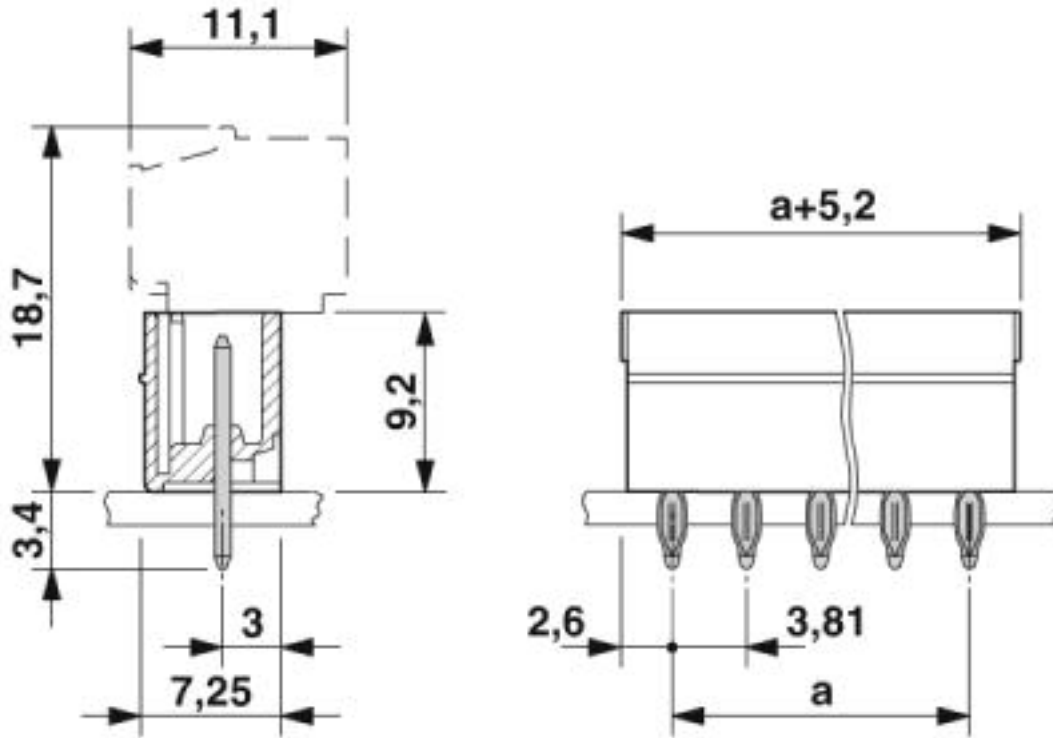
# Feed-through header - EMCV 1,5/12-G-3,81 - 1860744

Drilling diagram



# Feed-through header - EMCV 1,5/12-G-3,81 - 1860744

Dimensional drawing



## 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

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## Classifications

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

### Approvals

#### Approvals

EAC / cULus Recognized

#### Ex Approvals

### Approval details

EAC		B.01742
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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
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	8 A	8 A	

## Accessories

### Accessories

Coding element

## Feed-through header - EMCV 1,5/12-G-3,81 - 1860744

### Accessories

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



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### Labeled terminal marker

Marker card - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 3.81 mm, lettering field size: 3.81 x 2.8 mm

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Assembly adapters - EMC 1,5-SH - 1877258



Stamp holder, for upper and lower stamp

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### Additional products

Printed-circuit board connector - FMC 1,5/12-ST-3,81 - 1748079



PCB connector, nominal current: 8 A, number of positions: 12, pitch: 3.81 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - MC 1,5/12-ST-3,81 - 1803675



PCB connector, nominal current: 8 A, number of positions: 12, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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### Accessories

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#### Printed-circuit board connector - MCVW 1,5/12-ST-3,81 - 1827075



PCB connector, nominal current: 8 A, number of positions: 12, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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#### Printed-circuit board connector - MCVR 1,5/12-ST-3,81 - 1827224



PCB connector, nominal current: 8 A, number of positions: 12, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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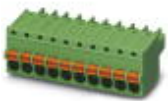
#### Printed-circuit board connector - FRONT-MC 1,5/12-ST-3,81 - 1850767



PCB connector, nominal current: 8 A, number of positions: 12, pitch: 3.81 mm, connection method: Front screw connection, color: green, contact surface: Tin

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#### Printed-circuit board connector - FK-MCP 1,5/12-ST-3,81 - 1851148



PCB connector, nominal current: 8 A, number of positions: 12, pitch: 3.81 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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#### Printed-circuit board connector - MCC 1/12-STZ-3,81 - 1852273



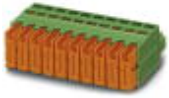
PCB connector, nominal current: 8 A, number of positions: 12, pitch: 3.81 mm, connection method: Crimp connection, color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

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### Accessories

Printed-circuit board connector - QC 0,5/12-ST-3,81 - 1897490



PCB connector, nominal current: 6 A, number of positions: 12, pitch: 3.81 mm, connection method: Displacement connection, color: green, contact surface: Tin

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