

## Base strip - IC 2,5/20-G-5,08 - 1786585

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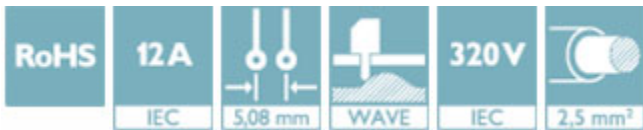
Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering




The figure shows a 10-position version of the product

### Why buy this product

- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies
- ✓ Easy PCB replacement thanks to plug-in modules
- ✓ Well-known mounting principle allows worldwide use
- ✓ Inverted header with socket contacts for touch-proof device outputs or PCB/PCB connections



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 042738
GTIN	4017918042738
Weight per Piece (excluding packing)	17.510 g
Custom tariff number	85366930
Country of origin	Germany

### Technical data

#### Dimensions

Length	18.9 mm
Pitch	5.08 mm
Dimension a	96.52 mm
Width	103.60 mm
Constructional height	10.2 mm

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### Technical data

#### Dimensions

Height	13.7 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,48 x 1,14
Pin spacing	5.04 mm
Hole diameter	1.4 mm

#### General

Range of articles	IC 2,5/..-G
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	320 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	12 A
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Color	green
Number of positions	20

#### Standards and Regulations

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

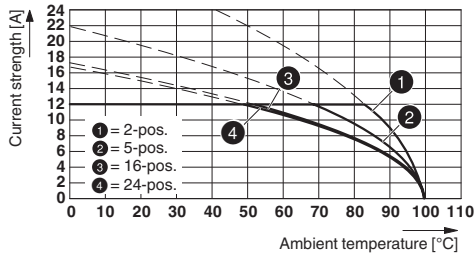
#### Environmental Product Compliance

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

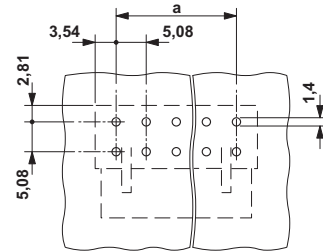
### Drawings

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Diagram

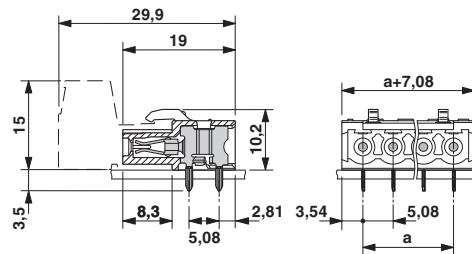


Drilling diagram



Type: IC 2,5/...-G-5,08 with MSTBA 2,5/...-G-5,08

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 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637
ETIM 6.0	EC002637

UNSPSC

UNSPSC 6.01	30211810
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## Classifications

### UNSPSC

UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

### Approvals


#### Approvals


CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / EAC / cULus Recognized

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	13631
	B	D	
Nominal current IN	10 A	10 A	
Nominal voltage UN	300 V	300 V	

UL 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>	FILE E 60425
	B	D	
Nominal current IN	12 A	10 A	
Nominal voltage UN	250 V	300 V	

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40004701
Nominal current IN	12 A		
Nominal voltage UN	250 V		

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## Approvals

cUL 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>	FILE E 60425
	B		D
Nominal current IN	12 A		10 A
Nominal voltage UN	250 V		300 V

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58636-B1B2
Nominal current IN	12 A		
Nominal voltage UN	250 V		

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>
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## Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634

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



Test plug terminal block

## Base strip - IC 2,5/20-G-5,08 - 1786585

### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: silver

Reducing plug - RPS - 0201647



Reducing plug, color: gray

### Additional products

Printed-circuit board connector - IC 2,5/20-ST-5,08 - 1786352



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Base strip - MSTBW 2,5/20-G-5,08 - 1735701



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering

Base strip - MSTBVA 2,5/20-G-5,08 - 1755914



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering

## Base strip - IC 2,5/20-G-5,08 - 1786585

### Accessories

#### Base strip - MSTBV 2,5/20-G-5,08 - 1758199



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering

#### Housing - MSTBV 2,5/20-GEH-5,08 - 1808641



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering

#### Base strip - MSTB 2,5/20-G-5,08 - 1759198



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering

#### Base strip - EMSTBA 2,5/20-G-5,08 - 1880481



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Press-in technology

#### Base strip - EMSTBVA 2,5/20-G-5,08 - 1915916



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Press-in technology

## Base strip - IC 2,5/20-G-5,08 - 1786585

### Accessories

#### Base strip - MSTBA 2,5/20-G-5,08-LA - 1768121



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering

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#### Base strip - MSTBA 2,5/20-G-5,08 - 1757420



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering

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#### Base strip - MSTB 2,5/20-G-5,08-LA - 1770892



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering

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#### Base strip - MDSTBV 2,5/20-G1-5,08 - 1762693



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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#### Base strip - MDSTB 2,5/20-G1-5,08 - 1762680



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

## Base strip - IC 2,5/20-G-5,08 - 1786585

### Accessories

Base strip - SMSTBA 2,5/20-G-5,08 - 1767559

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering



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Base strip - SMSTB 2,5/20-G-5,08 - 1769641

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering



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Printed-circuit board connector - ICC 2,5/20-STZ-5,08 - 1824023

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, connection method: Crimp connection, Color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte

