

## Base strip - MSTBA 2,5 HC/12-G - 1923856

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Header, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



The figure shows a 10-position version of the product

### Product Features

- 16 A (HC) headers in horizontal and vertical (MSTBV) versions
- Lateral HC marking („High Current“)
- Coding sections (CR) as protection against mismatching
- Lateral mismatching prevented by side panels
- Vibration-resistant connection by means of threaded flange (-GF)



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	4.7 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length	12 mm
Pitch	5.00 mm
Dimension a	55 mm
Constructional height	9 mm
Length of the solder pin	3.5 mm
Pin dimensions	1 x 1 mm

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### Technical data

#### Dimensions

Pin spacing	5.00 mm
Hole diameter	1.4 mm

#### General

Range of articles	MSTBA 2,5 HC/..-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)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	16 A (see derating curve)
Maximum load current	16 A
Insulating material	PA
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

#### 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

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### Classifications

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637

#### UNSPSC

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

### Approvals

#### Approvals

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#### Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IEC66 CB Scheme / EAC / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

UL Recognized 	B	D
Nominal current IN	16 A	10 A
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
Nominal current IN	16 A

## Base strip - MSTBA 2,5 HC/12-G - 1923856

### Approvals

Nominal voltage UN	250 V

cUL Recognized 		
	B	D
Nominal current IN	16 A	15 A
Nominal voltage UN	300 V	150 V

IECEE CB Scheme 		
Nominal current IN	16 A	
Nominal voltage UN	250 V	

EAC
EAC

cULus Recognized 
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### Accessories

#### Accessories

#### Coding element

Coding star - CR-MSTB - 1734401



Coding section, inserted into the recess in the header or the inverted plug, red insulating material

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#### Filler plug

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### Accessories

Accessories - MSTB-BL - 1755477



Keying cap, for forming sections, plugs onto header pin, green insulating material

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### Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



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: 5 mm, Lettering field: 5 x 3.8 mm

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### Additional products

Printed-circuit board connector - MSTB 2,5 HC/12-ST - 1911952



Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Printed-circuit board connector - MVSTBR 2,5 HC/12-ST - 1912391



Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Printed-circuit board connector - MVSTBW 2,5 HC/12-ST - 1912838



Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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### Accessories

#### Printed-circuit board connector - MSTBT 2,5 HC/12-ST - 1926332



Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin, The T-shape of the MSTBT plug distributes the height uniformly over the upper and lower sides of the printed circuit board

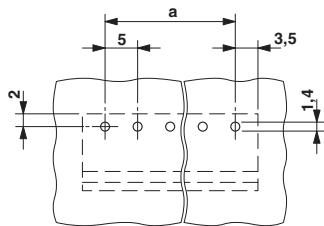
#### Printed-circuit board connector - FKC 2,5 HC/12-ST - 1942251



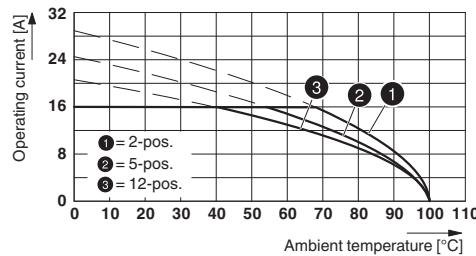
Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin, COMBICON connectors may only be activated under no load conditions. If for operating reasons small loads must be switched, experimental values are available upon request.

### Drawings

Drilling diagram

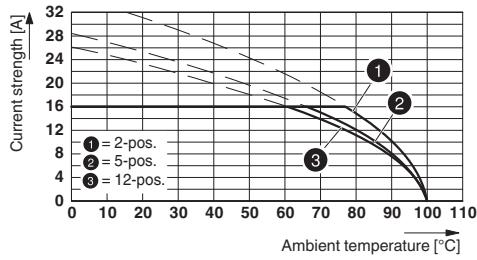


Diagram

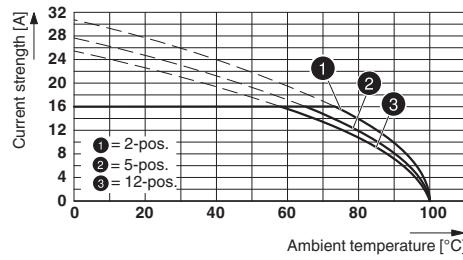


Derating curve for: FKC 2,5 HC/..-ST with MSTBA 2,5 HC/..-G

Diagram



Diagram

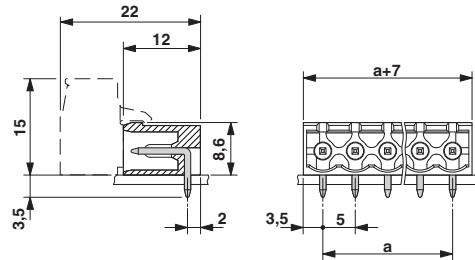


Type: MSTBT 2,5 HC/..-ST with MSTBA 2,5 HC/..-G

Type: MVSTBR 2,5 HC/..-ST with MSTBA 2,5 HC/..-G

## Base strip - MSTBA 2,5 HC/12-G - 1923856

Dimensional drawing



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