

## Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252

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Header, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: black, Mounting: Taped SMD/THT/THR components

### Product Features

- For ME/ME MAX electronics housing
- 2, 3, and 4-pos.
- Plug-in direction orthogonal to the PCB
- 5 mm pitch
- Orthogonal headers for through hole reflow process
- Made from high-temperature-resistant polyamide for use in lead-free soldering processes.
- Supplied taped as standard, in bulk as an option
- Integrated suction surface



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	230 pc
Weight per Piece (excluding packing)	3.31 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Pitch	5.00 mm
Dimension a	5 mm
Length of the solder pin	3.5 mm
Pin dimensions	1 x 1

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### Technical data

#### Dimensions

Pin spacing	5.00 mm
Hole diameter	1.6 mm

#### General

Range of articles	MSTBO 2,5/..-G1R-THR
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
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Color	black
Number of positions	2

#### 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	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

### Approvals

#### Approvals

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#### Approvals

UL Recognized / cUL Recognized / 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

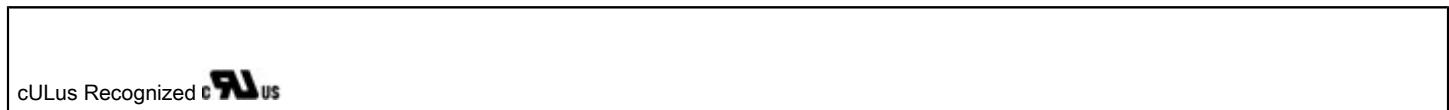
cUL Recognized 	B	D
Nominal current IN	16 A	10 A

## Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252

### Approvals

	B	D
Nominal voltage UN	300 V	300 V

EAC
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### Accessories

#### Accessories

#### Coding element

Coding section - CR MSTBO-G1 - 2199618

Coding section



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#### Filler plug

Accessories - MSTB-BL - 1755477



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

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#### Flange

Accessories - MSTB-BF - 1759981



Mounting flange, for fixing both ends of the header onto the PCB, green insulating material, with M 2 x 14 screws and nuts.

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#### Required add-on products

## Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252

### Accessories

Printed-circuit board connector - MSTBT 2,5/ 2-ST KMGY - 1920545



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

Printed-circuit board connector - MSTBT 2,5/ 2-ST - 1779835



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

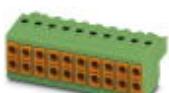
Printed-circuit board connector - MSTBT 2,5 HC/ 2-ST - 1926358



Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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

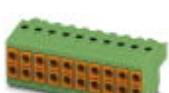
### Additional products

Printed-circuit board connector - TVFKC 1,5/ 2-ST - 1713839



Plug component, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - TVFKCL 1,5/ 2-ST - 1715921

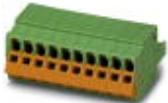


Plug component, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

## Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252

### Accessories

Plug - QC 1,5/ 2-ST - 1717961



Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 5 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

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Printed-circuit board connector - FKCN 2,5/ 2-ST - 1732742



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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Printed-circuit board connector - MSTB 2,5/ 2-ST - 1754449



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

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Printed-circuit board connector - MSTBP 2,5/ 2-ST - 1765771



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

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Printed-circuit board connector - SMSTB 2,5/ 2-ST - 1768765



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

## Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252

### Accessories

Printed-circuit board connector - FRONT-MSTB 2,5/ 2-ST - 1779411



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

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Printed-circuit board connector - MSTBT 2,5/ 2-ST - 1779835



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

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Printed-circuit board connector - MVSTBR 2,5/ 2-ST - 1792016



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

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Printed-circuit board connector - MVSTBW 2,5/ 2-ST - 1792524



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

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Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

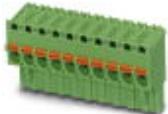


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

## Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252

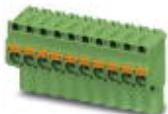
### Accessories

Printed-circuit board connector - FKCVR 2,5/ 2-ST - 1909715



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FKCVW 2,5/ 2-ST - 1910034



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670



Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 5 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin, The plug allows conductors to be looped through from module to module, without interruption

Printed-circuit board connector - FKCS 2,5/ 2-ST - 1974737

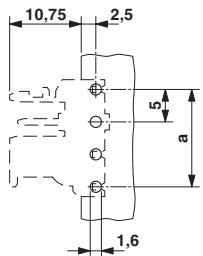


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

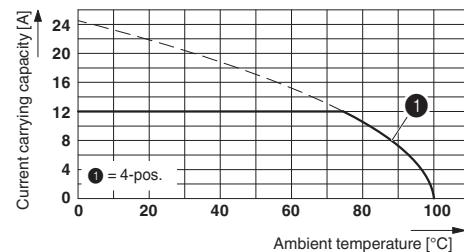
### Drawings

## Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252

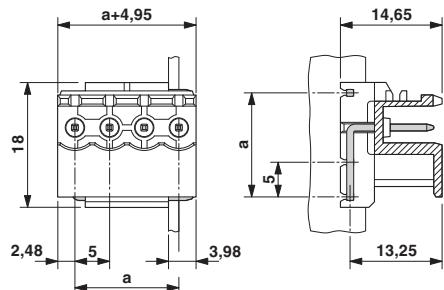
Drilling diagram



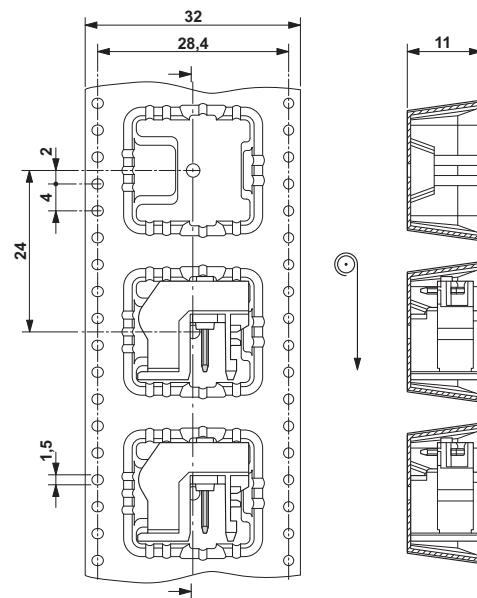
Diagram



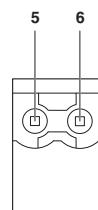
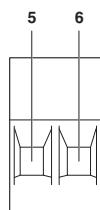
Dimensional drawing



Dimensional drawing



Schematic diagram



Pin assignment right



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