

Base strip - IC 2,5/ 7-G-5,08 - 1786459

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>)

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



The figure shows a 10-position version of the product

Product Features

- ✓ Combination with MSTB 2,5 headers for primary/secondary/PCB connection
- ✓ Pairs of guide rails can be used as a 90° board-to-board connection
- ✓ Use in shock-proof applications
- ✓ Clear separation of PCB inputs/outputs



Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 042608
Weight per Piece (excluding packing)	4.93 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length	19 mm
Pitch	5.08 mm
Dimension a	30.48 mm
Constructional height	11 mm
Length of the solder pin	3.5 mm
Pin dimensions	1,2 x 0,5
Hole diameter	1.4 mm

General

Range of articles	IC 2,5/..-G
Insulating material group	I

Base strip - IC 2,5/ 7-G-5,08 - 1786459

Technical data

General

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_N	12 A
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Color	green
Number of positions	7

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
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

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

Base strip - IC 2,5/ 7-G-5,08 - 1786459

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

CSA 		
	B	D
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

UL Recognized 		
	B	D
Nominal current I _N	12 A	10 A
Nominal voltage U _N	250 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
Nominal current I _N	12 A
Nominal voltage U _N	250 V

cUL Recognized 		
	B	D
Nominal current I _N	12 A	10 A
Nominal voltage U _N	250 V	300 V

Base strip - IC 2,5/ 7-G-5,08 - 1786459

Approvals

IECEE CB Scheme 	
Nominal current I _N	12 A
Nominal voltage U _N	250 V

EAC

cULus Recognized 
--

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

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

Additional products

Base strip - IC 2,5/ 7-G-5,08 - 1786459

Accessories

Base strip - DFK-MSTBA 2,5/ 7-G-5,08 - 1898884



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - DFK-MSTB 2,5/ 7-G-5,08 - 0707293



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST-5,08 and MSTBT 2,5/...ST-5,08.

Base strip - MSTBO 2,5/ 7-GL-5,08 - 1850482



Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MSTBO 2,5/ 7-GR-5,08 - 1847152



Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - A-MSTBVA 2,5/ 7-G-5,08 - 1872512



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: DIN rail

Base strip - IC 2,5/ 7-G-5,08 - 1786459

Accessories

Printed-circuit board connector - IC 2,5/ 7-ST-5,08 - 1786226



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Base strip - MSTBW 2,5/ 7-G-5,08 - 1735837



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MSTBVA 2,5/ 7-G-5,08 - 1755781



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MSTBV 2,5/ 7-G-5,08 - 1758063



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MSTB 2,5/ 7-G-5,08 - 1759062



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - IC 2,5/ 7-G-5,08 - 1786459

Accessories

Printed-circuit board connector - MSTBA 2,5/ 7-G-5,08 THT - 1902796



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Base strip - MSTBVA 2,5/ 7-G-5,08 THT - 1902864



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Base strip - DFK-MSTBVA 2,5/ 7-G-5,08 - 1899184



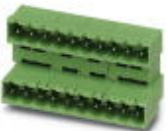
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MDSTBVA 2,5/ 7-G-5,08 - 1845387



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, The article can be aligned to create different nos. of positions! 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 - MDSTBA 2,5/ 7-G-5,08 - 1842115



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, The article can be aligned to create different nos. of positions! 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/ 7-G-5,08 - 1786459

Accessories

Base strip - EMSTBA 2,5/ 7-G-5,08 - 1880355

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology



Base strip - EMSTBVA 2,5/ 7-G-5,08 - 1859564

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology



Printed-circuit board connector - FKIC 2,5/ 7-ST-5,08 - 1873401

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin



Base strip - MSTBA 2,5/ 7-G-5,08-LA - 1770999

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



Base strip - MSTBA 2,5/ 7-G-5,08 - 1757297

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



Base strip - IC 2,5/ 7-G-5,08 - 1786459

Accessories

Base strip - MSTB 2,5/ 7-G-5,08-LA - 1770766



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MDSTBV 2,5/ 7-G1-5,08 - 1762554



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, 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 - MDSTB 2,5/ 7-G1-5,08 - 1762428



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, 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 - SMSTBA 2,5/ 7-G-5,08 - 1767423



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - SMSTB 2,5/ 7-G-5,08 - 1769515



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - IC 2,5/ 7-G-5,08 - 1786459

Accessories

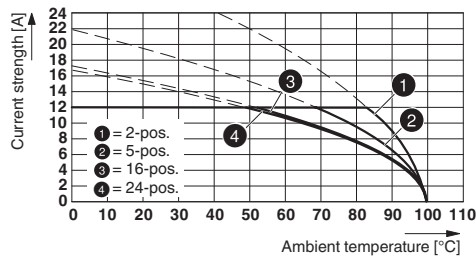
Printed-circuit board connector - ICC 2,5/ 7-STZ-5,08 - 1823891



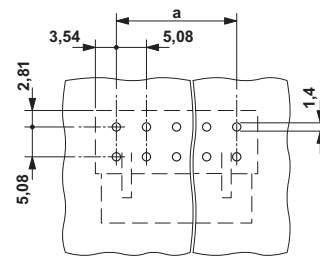
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte

Drawings

Diagram



Drilling diagram



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

Dimensional drawing

