

## Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

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>)



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin, mounting: DIN rail

The figure shows a 10-position version of the product

### Why buy this product

- Direct plug-in block with universal foot for mounting on NS 32 or NS 35 DIN rail
- Can be combined with the MSTB 2,5 range



### Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 043230
GTIN	4017918043230
Weight per Piece (excluding packing)	25.500 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Width [ w ]	42.5 mm
Pitch	5.08 mm
Dimension a	35.56 mm

#### General

Range of articles	UMSTBVK 2,5/...-G
Type of contact	Male connector
Number of positions	8
Connection method	Screw connection with tension sleeve
Insulating material group	I

## Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

### 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
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

#### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30

# Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

## Technical data

### Connection data

Maximum AWG according to UL/CUL	12
---------------------------------	----

### Standards and Regulations

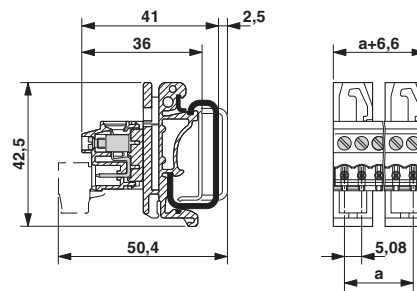
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

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	27449001
eCl@ss 8.0	27141106
eCl@ss 9.0	27141106

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC001284
ETIM 6.0	EC001284

# Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

## Classifications

### UNSPSC

UNSPSC 6.01	30211810
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 / IECCEB Scheme / EAC / cULus Recognized

#### Ex Approvals

### Approval details

CSA		13631
	B	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	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	
mm <sup>2</sup> /AWG/kcmil	30-12	30-12	
Nominal current I <sub>N</sub>	12 A	10 A	
Nominal voltage U <sub>N</sub>	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
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	250 V		

# Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

## 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	
mm <sup>2</sup> /AWG/kcmil	30-12	30-12	
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>	DE1-58978-B1B2
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current IN	12 A		
Nominal voltage UN	250 V		

EAC		B.01742
-----	--	---------

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>
------------------	--	---

## Accessories

### Accessories

#### Bridge

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2



#### Coding element

## Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

### Accessories

Coding star - CR-MSTB - 1734401



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

---

### Filler plug

Accessories - MSTB-BL - 1755477



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

---

### Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



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: 5.08 mm, Lettering field: 5.08 x 3.8 mm

---

### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

---

### Additional products

Printed-circuit board connector - MSTB 2,5/ 8-ST-5,08 - 1757077



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

## Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

### Accessories

Printed-circuit board connector - MSTB 2,5/ 8-STZ-5,08 - 1764235



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

---

Printed-circuit board connector - MSTBP 2,5/ 8-ST-5,08 - 1769078



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

---

Printed-circuit board connector - SMSTB 2,5/ 8-ST-5,08 - 1826348



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

---

Printed-circuit board connector - MVSTBR 2,5/ 8-ST-5,08 - 1792304



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

---

Printed-circuit board connector - MVSTBW 2,5/ 8-ST-5,08 - 1792812



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

---

## Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

### Accessories

Printed-circuit board connector - FRONT-MSTB 2,5/ 8-ST-5,08 - 1777345

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Front screw connection, Color: green, contact surface: Tin



Printed-circuit board connector - FKC 2,5/ 8-ST-5,08 - 1873113

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin



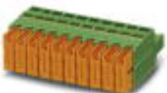
Printed-circuit board connector - FKCVR 2,5/ 8-ST-5,08 - 1874015

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin



Printed-circuit board connector - QC 1/ 8-ST-5,08 - 1883310

Plug component, nominal current: 10 A, rated voltage (III/2): 630 V, number of positions: 8, pitch: 5.08 mm, connection method: Displacement connection, Color: green, contact surface: Tin



Printed-circuit board connector - MSTBC 2,5/ 8-ST-5,08 - 1808874

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte





## Plug-in block - UMSTBVK 2,5/ 8-G-5,08 - 1788172

### Accessories

Printed-circuit board connector - MSTBC 2,5/ 8-STZ-5,08 - 1809569



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

---

Base strip - MSTBO 2,5/ 8-GR-5,08 - 1847165



Header, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

Base strip - MSTBO 2,5/ 8-GL-5,08 - 1850495



Header, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering