

Printed-circuit board connector - MCVR 1,5/10-STF-3,81 - 1828427

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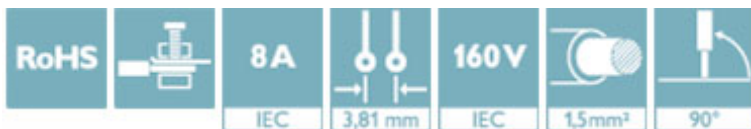
Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin




The figure shows a 10-position version of the product

Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Screwable flange for superior mechanical stability



Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 114732
GTIN	4017918114732
Weight per Piece (excluding packing)	8.700 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	10.4 mm
Width [w]	48.49 mm
Height [h]	12.5 mm
Pitch	3.81 mm
Dimension a	34.29 mm

General

Range of articles	MCVR 1,5/...-STF
Type of contact	Female connector

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Technical data

General

Number of positions	10
Connection method	Screw connection with tension sleeve
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1.5 mm ²
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.08 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.08 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²

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Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

Standards and Regulations

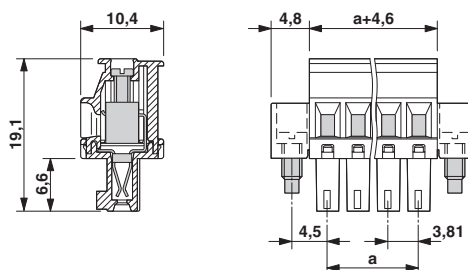
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

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	27440402
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

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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 / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / CCA / cULus Recognized / EAC

Ex Approvals

Approval details

CSA		13631
	B	D
mm ² /AWG/kcmil	28-16	28-16
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40011723
mm ² /AWG/kcmil	0.2-1.5		
Nominal current I _N	8 A		
Nominal voltage U _N	160 V		

IECEE CB Scheme		http://www.iecee.org/	DE1-58415-B1B2
mm ² /AWG/kcmil	0.2-1.5		
Nominal current I _N	8 A		
Nominal voltage U _N	160 V		

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Approvals

CCA	CCA/ DE1 34219
mm ² /AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128
	B	D	
mm ² /AWG/kcmil	30-14	30-14	
Nominal current I _N	8 A	8 A	
Nominal voltage U _N	300 V	300 V	

EAC		B.01742
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Accessories

Accessories

Labeled terminal marker

Marker card - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



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: 3.81 mm, Lettering field: 3.81 x 2.8 mm

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Screwdriver tools

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Accessories

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Terminal marking

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Office printing systems, Mounting type: adhesive, for terminal block width: 210 mm, Lettering field: 186 x 2.8 mm

Additional products

Housing - MCV 1,5/10-GF-3,81 P14 THR - 1707298



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 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 - MCV 1,5/10-GF-3,81 P26 THR - 1707719



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 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 - MCV 1,5/10-GF-3,81 P26 THRR72 - 1713428



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Accessories

Printed-circuit board connector - MC 1,5/10-GF-3,81 P20 THRR72 - 1782103

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: black, contact surface: Tin, mounting: THR soldering



Base strip - SMC 1,5/10-GF-3,81 - 1827509

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MC 1,5/10-GF-3,81 - 1827949

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MCD 1,5/10-GF-3,81 - 1830185

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.



Base strip - MCDV 1,5/10-GF-3,81 - 1830334

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.



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Accessories

Base strip - MCV 1,5/10-GF-3,81 - 1830677

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Wave soldering



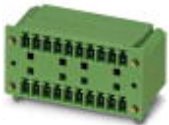
Base strip - MCDV 1,5/10-G1F-3,81 - 1842843

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.



Base strip - MCD 1,5/10-G1F-3,81 - 1842995

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.



Base strip - EMCV 1,5/10-GF-3,81 - 1879366

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Press-in technology



Base strip - EMC 1,5/10-GF-3,81 - 1897021

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Press-in technology



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Accessories

Base strip - MC 1,5/10-GF-3,81 THT - 1909113



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 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 - MC 1,5/10-GF-3,81 THT-R72 - 1996618



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.81 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"