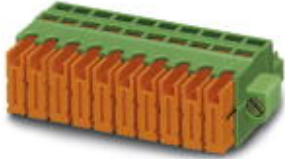


Printed-circuit board connector - QC 0,5/ 2-STF-3,81 - 1897542

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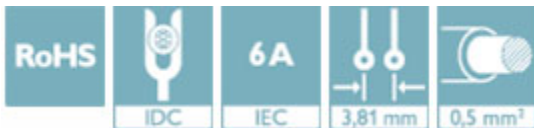
PCB connector, nominal current: 6 A, rated voltage (III/2): 200 V, Nominal cross section: 0.5 mm², number of positions: 2, pitch: 3.81 mm, connection method: Displacement connection, color: green, contact surface: Tin



The figure shows a 10-position version of the product

Your advantages

- ✓ Connection without conductor pretreatment for huge time savings
- ✓ Screwable flange for superior mechanical stability
- ✓ Quick and convenient testing using integrated test option



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	
GTIN	4017918165048
Weight per Piece (excluding packing)	2.980 g
Custom tariff number	85366990
Country of origin	China

Technical data

Item properties

Brief article description	Printed-circuit board connector
Plug-in system	MINI COMBICON
Type of contact	Female connector
Range of articles	QC 0,5/...-STF

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Technical data

Item properties

Pitch	3.81 mm
Number of positions	2
Connection method	Displacement connection
Locking	Screw flange
Number of levels	1
Number of connections	2
Number of potentials	2

Electrical parameters

Nom. voltage	200 V
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Connection capacity

Connection method	Displacement connection
pluggable	Yes
Conductor cross section flexible	0.34 mm ² ... 0.5 mm ²
Conductor cross section AWG / kcmil	22 ... 20

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (5 - 7 µm Sn)
Metal surface contact area (top layer)	Tin (5 - 7 µm Sn)

Material data - housing

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions for the product

Length [l]	26.8 mm
Width [w]	17.73 mm
Height [h]	12.9 mm
Pitch	3.81 mm
Height (without solder pin)	12.9 mm

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Technical data

Dimensions for the product

Dimension a	3.81 mm
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Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Air clearances and creepage distances

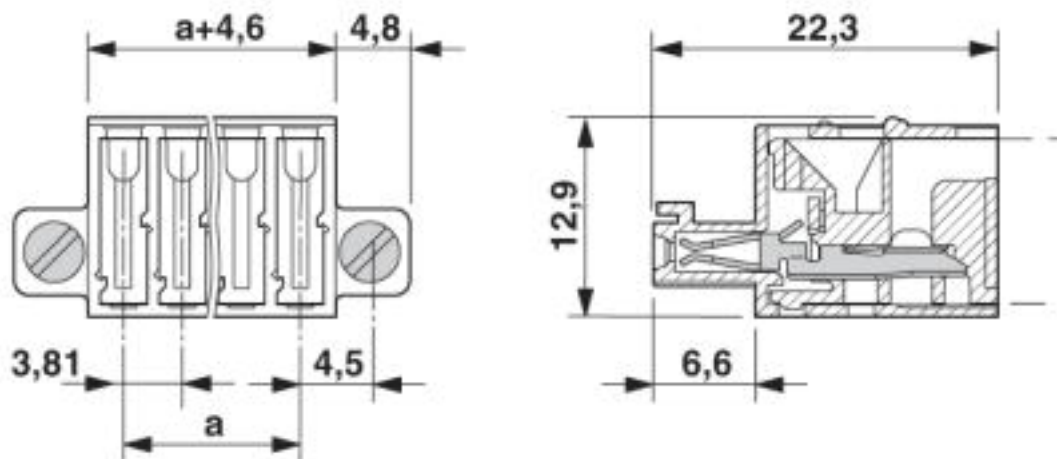
Rated insulation voltage (III/3)	200 V
Rated insulation voltage (III/2)	200 V
Rated insulation voltage (II/2)	400 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27260700
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Classifications

eCl@ss

eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
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
ETIM 7.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

Approvals

Approvals

Approvals


UL Recognized / cUL Recognized / IECCEB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC


Ex Approvals


Approval details


Printed-circuit board connector - QC 0,5/ 2-STF-3,81 - 1897542

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	300 V	300 V	
Nominal current IN	6 A	6 A	
mm ² /AWG/kcmil	24-20	24-20	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	300 V	300 V	
Nominal current IN	6 A	6 A	
mm ² /AWG/kcmil	24-20	24-20	

IECEE CB Scheme		http://www.iecee.org/	DE1-60987-B1B2
Nominal voltage UN	320 V		
Nominal current IN	5 A		
mm ² /AWG/kcmil	0.34-.5		

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40011723
Nominal voltage UN	320 V		
Nominal current IN	5 A		
mm ² /AWG/kcmil	0.34-.5		

EAC		B.01742
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Accessories

Accessories

Printed-circuit board connector - QC 0,5/ 2-STF-3,81 - 1897542

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 size: 3.81 x 2.8 mm

Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Additional products

Printed-circuit board connector - MCV 1,5/ 2-GF-3,81 P14 THR - 1707214



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, Pin layout: Linear pinning, solder pin [P]: 1.4 mm, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - MCV 1,5/ 2-GF-3,81 P26 THR - 1707638



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, Pin layout: Linear pinning, solder pin [P]: 2.6 mm, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - QC 0,5/ 2-STF-3,81 - 1897542

Accessories

Feed-through header - MCV 1,5/ 2-GF-3,81 P26 THRR32 - 1713347

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, Pin layout: Linear pinning, solder pin [P]: 2.6 mm, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - MC 1,5/ 2-GF-3,81 P20 THRR32 - 1782022

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, Pin layout: Linear pinning, solder pin [P]: 2 mm



Feed-through header - SMC 1,5/ 2-GF-3,81 - 1827428

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, Pin layout: Linear pinning, solder pin [P]: 3.4 mm



Printed-circuit board connector - MC 1,5/ 2-GF-3,81 - 1827868

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, Pin layout: Linear pinning, solder pin [P]: 3.4 mm



Feed-through header - MCD 1,5/ 2-GF-3,81 - 1830101

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, Pin layout: Linear pinning, solder pin [P]: 3.5 mm, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.



Printed-circuit board connector - QC 0,5/ 2-STF-3,81 - 1897542

Accessories

Feed-through header - MCDV 1,5/ 2-GF-3,81 - 1830253



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, Pin layout: Linear pinning, solder pin [P]: 3.4 mm, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - MCV 1,5/ 2-GF-3,81 - 1830596



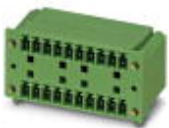
PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, Pin layout: Linear pinning, solder pin [P]: 3.4 mm

Feed-through header - MCDV 1,5/ 2-G1F-3,81 - 1842762



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, Pin layout: Linear pinning, solder pin [P]: 3.4 mm, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - MCD 1,5/ 2-G1F-3,81 - 1842911



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, Pin layout: Linear pinning, solder pin [P]: 3.5 mm, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Feed-through header - EMCV 1,5/ 2-GF-3,81 - 1879285



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology, Pin layout: Linear pinning, solder pin [P]: 3.8 mm

Printed-circuit board connector - QC 0,5/ 2-STF-3,81 - 1897542

Accessories

Feed-through header - EMC 1,5/ 2-GF-3,81 - 1896941

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 2, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology, Pin layout: Linear pinning, solder pin [P]: 3.5 mm



Feed-through header - MC 1,5/ 2-GF-3,81 THT - 1908871

PCB headers, number of positions: 2, pitch: 3.81 mm, color: black, contact surface: Tin, Pin layout: Linear pinning, solder pin [P]: 3.4 mm, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Feed-through header - MC 1,5/ 2-GF-3,81 THT-R32 - 1996537



PCB headers, number of positions: 2, pitch: 3.81 mm, color: black, contact surface: Tin, Pin layout: Linear pinning, User information and design recommendations for through hole reflow technology can be found under "Downloads"