Printed-circuit board connector - MC 1,5/ 8-ST-3,81 - 1803633

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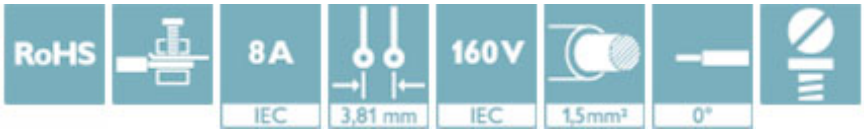
PCB connector, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

The figure shows a 10-position version of the product

Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors



Key Commercial Data

Packing unit	50 pc
GTIN	4 017918 045944
GTIN	4017918045944
Weight per Piece (excluding packing)	6.090 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	16.1 mm
Width [w]	31.27 mm
Height [h]	11.1 mm
Pitch	3.81 mm
Dimension a	26.67 mm

General

Range of articles	MC 1,5/..-ST
Number of positions	8

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Technical data

General

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 mm²
Maximum load current	8 A (with 1.5 mm² 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 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm²
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.08 mm²
2 conductors with same cross section, solid max.	0.5 mm²
2 conductors with same cross section, stranded min.	0.08 mm²
2 conductors with same cross section, stranded max.	0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²

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Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm²
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

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
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

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Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	8 A	8 A
mm²/AWG/kcmil	28-16	28-16

IECEE CB Scheme		http://www.iecee.org/	DE1-60987-B1B2

Nominal voltage UN	160 V
Nominal current IN	8 A
mm²/AWG/kcmil	0.2-1.5

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40011723

Nominal voltage UN	160 V
Nominal current IN	8 A
mm²/AWG/kcmil	0.2-1.5

EAC		B.01742

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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128

	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	8 A	8 A
mm²/AWG/kcmil	30-14	30-14

Accessories

Accessories

Bridge

Insertion bridge - EBPL 2-3,81 - 1733495

Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

Insertion bridge - EBPL 3-3,81 - 1733505

Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

Insertion bridge - EBPL 4-3,81 - 1733518

Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

Cable housing

Cable housing - KGG-MC 1,5/ 8 - 1834408

Cable housing, pitch: 3.81 mm, number of positions: 8, dimension a: 32.87 mm, color: green

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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 0,4X2,5 VDE - 1205037

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

Additional products

Feed-through header - MCV 1,5/ 8-G-3,81 P14 THR - 1707065

PCB headers, nominal current: 8 A, number of positions: 8, 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”

Feed-through header - MCV 1,5/ 8-G-3,81 P26 THR - 1707489

PCB headers, nominal current: 8 A, number of positions: 8, 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”

Feed-through header - MCV 1,5/ 8-G-3,81 P26 THRR56 - 1712940

PCB headers, nominal current: 8 A, number of positions: 8, 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/ 8-G-3,81 P20 THRR56 - 1782637

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering

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Printed-circuit board connector - MC 1,5/ 8-G-3,81 - 1803332

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - MCV 1,5/ 8-G-3,81 - 1803484

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - SMC 1,5/ 8-G-3,81 - 1827334

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Feed-through header - MCD 1,5/ 8-G-3,81 - 1830017

PCB headers, nominal current: 8 A, number of positions: 8, 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

Feed-through header - MCDV 1,5/ 8-G-3,81 - 1830460

PCB headers, nominal current: 8 A, number of positions: 8, 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.

Feed-through header - MCVDU 1,5/ 8-G-3,81 - 1837492

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MCD 1,5/ 8-G1-3,81 - 1843130

PCB headers, nominal current: 8 A, number of positions: 8, 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.

Feed-through header - MCDV 1,5/ 8-G1-3,81 - 1847796

PCB headers, nominal current: 8 A, number of positions: 8, 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.

Feed-through header - EMCV 1,5/ 8-G-3,81 - 1860702

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

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Accessories

Feed-through header - MCO 1,5/ 8-GR-3,81 - 1861701

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MCO 1,5/ 8-GL-3,81 - 1861785

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - EMC 1,5/ 8-G-3,81 - 1897869

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

Feed-through header - MC 1,5/ 8-G-3,81 THT - 1908826

PCB headers, number of positions: 8, pitch: 3.81 mm, color: black, User information and design recommendations for through hole reflow technology can be found under “Downloads”

Feed-through header - MC 1,5/ 8-G-3,81 THT-R56 - 1943810

PCB headers, number of positions: 8, pitch: 3.81 mm, color: black, User information and design recommendations for through hole reflow technology can be found under “Downloads”

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Accessories

Feed-through header - MCD 1,5/ 8-G1-3,81 HT BK - 1948080

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, Standard component made of highly temperature resistant plastic; suitable for reflow process. User information and design recommendations on Through Hole Reflow Technology can be found at: "Downloads".