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SMD male connector, nominal current: 0.5 A, test voltage: 500 V AC, number of positions: 80, pitch: 0.635 mm, color: black, contact surface: Au, contact connection type: Pin, mounting: SMD soldering



Your advantages

- Design-in support during device development using MCAD/ECAD data and a free sample service
- Cost and space savings with the comprehensive portfolio available in various stack heights
- Easy mating with integrated keyways and tolerance compensation for error-free production
- Time savings during the development process with customer-specific simulations for data integrity
- High-speed data transmission up to 30 Gbps for various possible applications

Commercial data

Item number	1332198
Packing unit	540 pc
Minimum order quantity	540 pc
Sales key	AA23
Product key	AAWGCC
GTIN	4063

Technical data

Product properties

Product type	SMD male connector
Product family	FS 0,635/...-MV-R- 9,0
Number of positions	80
Pitch	0.635 mm
Number of rows	2
Pin layout	Linear pad geometry

Electrical properties

Properties

Nominal current I_N	0.5 A IEC 60512-5-2:2002-02 (40-pos. / 60-pos.)
Contact resistance	70 mΩ
Test voltage	500 V AC IEC 60512-4-1:2003-05
Rated voltage (I/I)	125 V

FS 0,635/ 80-MV-R- 9,0 - SMD male connectors



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Insulating material	LCP
Insulating material group	IIIa
CTI according to IEC 60112	175
Flammability rating according to UL 94	V0

Notes

Notes on operation	The permissible voltage during operation depends on the application, taking into consideration the air clearances and creepage distances within the scope of insulation requirements in accordance with IEC 60664-1.
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Dimensions

Dimensional drawing	
Pitch	0.635 mm
Width [w]	32.27 mm
Height [h]	9.6 mm
Length [l]	5.2 mm
Installed height	9 mm

Application

Contact

FS 0,635/ 80-MV-R- 9,0 - SMD male connectors



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Air clearances and creepage distances |

Specification	IEC 60664-1:2007-04
Insulating material group	IIIa
Minimum value for clearance and creepage distance	0.19 mm

Environmental and real-life conditions

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 55 - 10 Hz
Sweep speed	1 octave/min
Amplitude	1.52 mm
Acceleration	181 m/s ²
Test duration per axis	2 h
Test directions	X-, Y- and Z-axis

Durability test

Specification	IEC 60512-9-1:2010-03 (following)
Contact resistance R ₁	70 mΩ

FS 0,635/ 80-MV-R- 9,0 - SMD male connectors

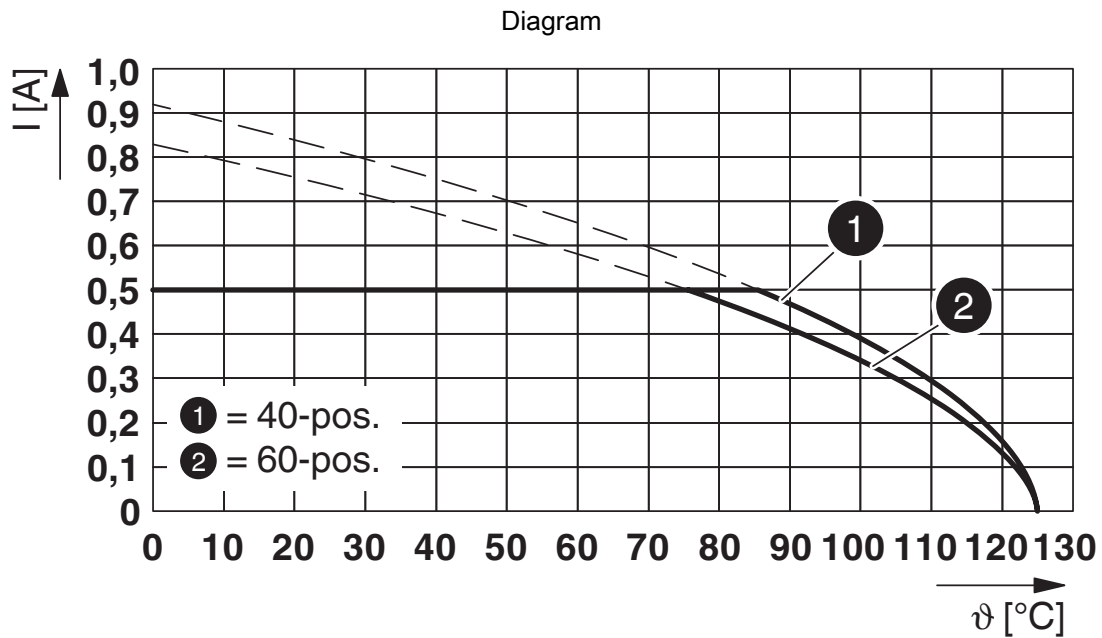


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Outer packaging type	Transparent-Bag
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Drawings



FS 0,635/ 80-MV-R- 9,0 - SMD male connectors



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1332198>

 cULus Recognized Approval ID: E118976-20230512				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	29.9 V	0.5 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

ETIM

ETIM 9.0	EC002637
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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