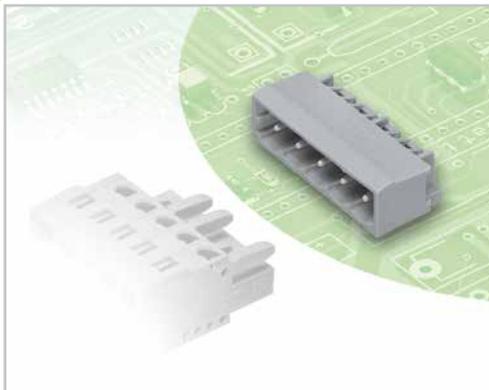


## Male Headers with Solder Pins

### Pin Spacing: 5 mm, 5.08 mm

### MCS MIDI Classic



- Horizontal or vertical PCB mounting via straight and angled solder pins
- 1.2 x 1.2 mm solder pins allow nominal current up to 16 A, enhancing stability of shorter headers
- Enclosed on each side, the pin housing design prevents mismatching
- With coding fingers

#### Technical data:

#### 1 x 1 mm solder pin:

#### 1.2 x 1.2 mm solder pin:

Pin Spacing	5 mm / 5.08 mm 0.197 in. / 0.2 in.			5 mm / 5.08 mm 0.197 in. / 0.2 in.		
	IEC/EN 60664-1			IEC/EN 60664-1		
Ratings per						
Overtoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	320 V	320 V	630 V	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV
Nominal current	12 A	12 A	12 A	16 A	16 A	16 A
Approvals per	UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V
Nominal current UL	10 A	-	10 A	15 A	-	10 A
Nominal current CSA	10 A	-	10 A	15 A	-	10 A

The MCS MIDI connection system is UL 1977 approved and capable of up to 600 V for factory wiring.

#### Solder pin data:

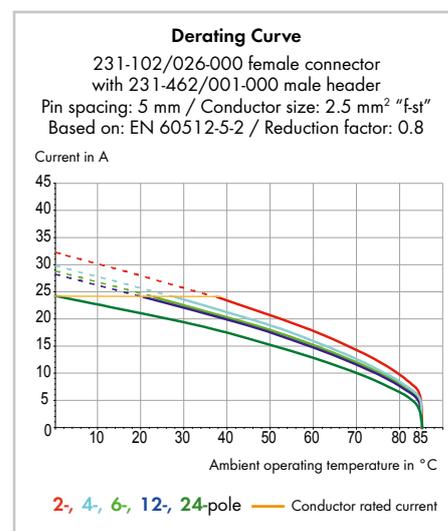
Solder pin: length/width	5 mm / 1 x 1 mm (straight)
Solder pin: length/width	3.8 mm / 1 x 1 mm (angled)
Solder pin: drilled hole diameter	1.4 <sup>+0.1</sup> mm
Solder pin: length/width	5 mm / 1.2 x 1.2 mm (straight)
Solder pin: length/width	3.8 mm / 1.2 x 1.2 mm (angled)
Solder pin: drilled hole diameter	1.7 <sup>+0.1</sup> mm

#### Material data:

Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL 94	V0
Lower/Upper limit temperature	-60 °C / +100 °C
Contact material	Electrolytic copper (E <sub>cu</sub> )
Contact plating	tin-plated
MCS connectors are also available upon request with gold-plated or partially gold-plated contact surfaces.	
Depending on the version requested, "item no. suffix ... /010-000" is added to the "basic item no."	

MCS - MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984.

When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.



#### MCS MIDI accessories:

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