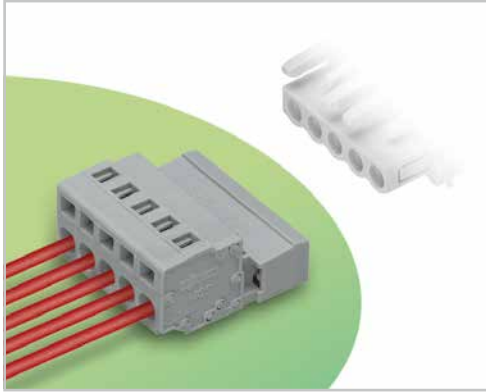


# Male Connectors

## Pin Spacing: 5 mm, 5.08 mm

### MCS MIDI Classic



- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- For “wire-to-wire” and “board-to-wire” connections
- Versions available with snap-in mounting feet or fixing flanges for panel or through-panel mounting
- With coding keys

**Technical data:**

Pin Spacing	5 mm 0.197 in.			5.08 mm 0.2 in.		
	IEC/EN 60664-1			IEC/EN 60664-1		
Ratings per	III	III	II	III	III	II
Overtoltage category	3	2	2	3	2	2
Pollution degree	3	2	2	3	2	2
Rated voltage	320 V	320 V	630 V	320 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	12 A	12 A	12 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	15 A	-	10 A	15 A	-	10 A
Nominal current CSA	15 A	-	10 A	15 A	-	10 A

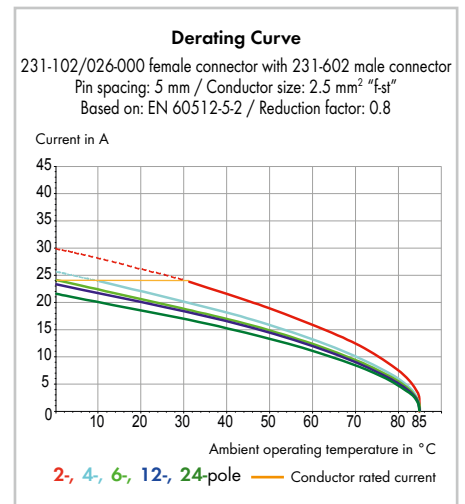
The MCS MIDI connection system is UL 1977 approved and capable of up to 600 V for factory wiring.

**Conductor data:**

Connection technology	CAGE CLAMP®	
Conductor size: solid	0.08 ... 2.5 mm <sup>2</sup>	
Conductor size: fine-stranded	0.08 ... 2.5 mm <sup>2</sup>	
Conductor size: fine-stranded	0.25 ... 1.5 mm <sup>2</sup> (with insulated ferrule)	
Conductor size: fine-stranded	0.25 ... 2.5 mm <sup>2</sup> (with uninsulated ferrule)	
AWG	28 ... 12 12: THHN, THWN	
Strip length	8 ... 9 mm / 0.31 ... 0.35 in.	

**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
Clamping spring material	Chrome nickel spring steel (CrNi)
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 MIDI accessories:**

**Page:**

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Comb-style jumper bars	480
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Strain relief plates	474

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.