Male Headers with Solder and Press-In Pins, MCS-MIDI
Pin Spacing: 2.5 mm
MCS MICRO

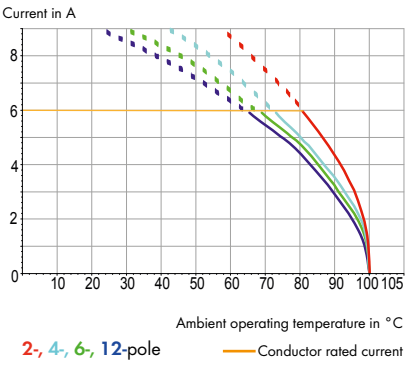
- Horizontal or vertical PCB mounting via straight and angled solder pins
- Also available with press-in pins for solder-free connection to the PCB
- 100 % protected against mismating; only mating halves with the same pole number can be connected together
- Coding pins available

Technical data:

Pin Spacing	2.5 mm / 0.098 in.			Press-In Technology 2.5 mm / 0.098 in.		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	80 V	160 V	320 V	80 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV
Nominal current	6 A	6 A	6 A	4 A	4 A	4 A
Approvals per	UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D
Rated voltage	150 V	–	–	150 V	–	–
Nominal current UL	4 A	–	–	4 A	–	–
Nominal current CSA	4 A	–	–	4 A	–	–

Derating Curve

733-102 female connector with 733-362 male header
Pin spacing: 2.5 mm / Conductor size: 0.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



Solder and press-in pin data:

Solder pin: length/width	4.6 mm / 0.8 x 0.8 mm (straight)
Solder pin: length/width	3.7 mm / 0.8 x 0.8 mm (angled)
Solder pin: drilled hole diameter	$1.1^{+0.1}$ mm
Press-in pin: length/width	3.2 mm / 0.6 x 1.2 mm
Press-in pin: drilled hole diameter	$1.15^{\pm 0.025}$ mm
Press-in pin: metal-plated hole	$1.0^{+0.09}_{-0.06}$ mm (HAL Sn)
Press-in pin: metal-plated hole	$1.0^{+0.09}_{-0.00}$ mm (Chem. Sn)

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 / Press-in pin: -40 °C / +85 °C
Contact material	Electrolytic copper (E_{Cu}) / Copper alloy for press-in technology
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 MICRO accessory **Page:**

Coding keys	235

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance 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.