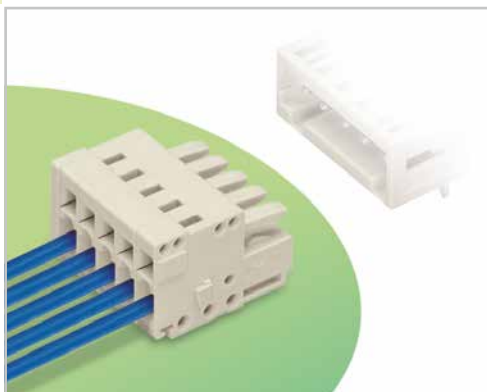


Female Connectors

Pin Spacing: 3.5 mm, 3.81 mm

MCS MINI



- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- Strain relief plates and housings for in-the-field assembly
- 100% protected against mismating
- with coding elements

Technical data:

Pin Spacing	3.5 mm 0.138 in.			3.81 mm 0.15 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	160 V	160 V	320 V	160 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	10 A	10 A	10 A	10 A	10 A	10 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	10 A	-	10 A
Nominal current CSA	10 A	-	10 A	10 A	-	10 A

Conductor data:

Connection technology	CAGE CLAMP®	
Conductor size: solid	0.08 ... 1.5 mm²	
Conductor size: fine-stranded	0.08 ... 1.5 mm²	
Conductor size: fine-stranded	0.25 ... 1.5 mm² (with insulated ferrule) *	
Conductor size: fine-stranded	0.25 ... 1.5 mm² (with uninsulated ferrule)	
AWG	28 ... 14	14: THHN, THWN
Strip length	6 ... 7 mm / 0.24 ... 0.28 in.	
* Only every other clamping unit can be terminated using 1.5 mm² connectors with insulated ferrules.		

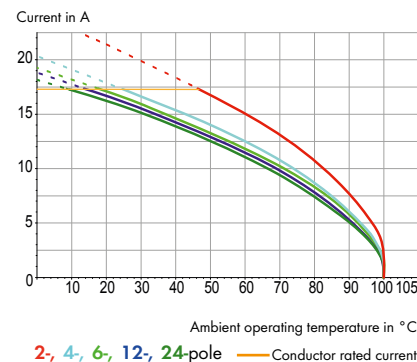
Material data:

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	Copper alloy
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."	

The MULTI CONNECTION SYSTEM (MCS) is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, these pins 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.

Derating Curve

734-102 female connector with 734-132 male header
Pin spacing: 3.5 mm / Conductor size: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



MCS MINI accessories:

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