



## MSCM12

12 pole male cable connector, chuck type strain relief, solder contacts

The miniCON with its flexible and compact design is perfectly suitable for multipin/industrial applications. The rugged all metal miniature connector offers a push-pull locking device and stands out by an excellent cost/performance ratio.

### Features & Benefits

- Easy assembly: Contact soldering in disassembled condition avoids awkward wiring of high density contacts.
- Push-pull self-locking system
- Gold plated contacts
- Velour chromium housing
- Rugged, precisely machined all metal design

**Technical Information**

Product	
<b>Title</b>	MSCM12
<b>Connection Type</b>	miniCON
<b>Gender</b>	male

Electrical	
<b>Contact resistance</b>	≤ 8 mΩ
<b>Dielectric strength</b>	1 kVdc
<b>Insulation resistance</b>	> 0.5 GΩ
<b>Rated current per contact</b>	3 A
<b>Rated voltage</b>	< 50 V

Mechanical	
<b>Cable O.D.</b>	3 - 5 mm (grey chuck), 5 - 7 mm (white chuck)
<b>Cable retention</b>	> 20 N
<b>Insertion force</b>	< 25 N
<b>Wiresize</b>	0,5 mm <sup>2</sup>
<b>Wiresize</b>	20 AWG
<b>Wiring</b>	Solder contacts
<b>Locking device</b>	Push-Pull

Material	
<b>Contact plating</b>	0.2 μm AuCo
<b>Contacts</b>	Brass (CuZn35Pb2)
<b>Insert</b>	Polyamide (PA 6.6)
<b>Shell</b>	Zinc diecast / Brass (ZnAl4Cu1 / CuZn39Pb3)
<b>Strain relief</b>	Polyacetal (POM)

Environmental	
<b>Flammability</b>	UL 94 V-0
<b>Protection class</b>	IP 5X
<b>Solderability</b>	Complies with IEC 68-2-20
<b>Temperature range</b>	-30 °C to +80 °C

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