



## MSCF12

12 pole female 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	
Title	MSCF12
Connection Type	miniCON
Gender	female

Electrical	
Contact resistance	$\leq 8 \text{ m}\Omega$
Dielectric strength	1 kVdc
Insulation resistance	$> 0.5 \text{ G}\Omega$
Rated current per contact	3 A
Rated voltage	$< 50 \text{ V}$

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

Material	
Contact plating	0.2 µm AuCo
Contacts	Bronze (CuSn6)
Insert	Polyamide (PA 6.6)
Shell	Zinc diecast / Brass (ZnAl4Cu1 / CuZn39Pb3)
Strain relief	Polyacetal (POM)

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