



Data Sheet – MC4C Solar Connector

Product description - Single-contact electrical connectors commonly used for connecting solar panels.

Features:

- Cable range supported - 2.5, 4 and 6mm²
- Flame retardant, UV stabilised
- IP67 rated
- Third party approval under TUV SUD

Technical Data

SWA's MC4C solar connectors meet the requirements of the international standard, IEC 62852 – (Connectors for DC-application in photovoltaic systems)

Performance test parameters and results are detailed below, please note that these testing values are maximums and safety factors appropriate to your application should be used:

IEC 62852 TEST PARAMETRES	REQUIREMENT/TEST	RESULT	PART NUMBER	DESCRIPTION
Rated Voltage	1500 V DC	PASS	MC4C	MC4 Solar Connector - Male and Female Complete
Max. Current	30 amps	PASS	MC4-MC	MC4 Male Pin and Housing Only
Ingress Protection	IP67	PASS	MC4-FC	MC4 Female Pin and Housing Only
Operating Temperature	- 40C to +85C	PASS	MC4M	MC4 Male Pin Only
Flame Retardant Grade / UV Resistant	UL94-V0	PASS	MC4F	MC4 Female Pin Only
COMPOSITION	MATERIAL		MC4P	MC4 Male and Female Panel Connector
Body	PPO		MC4T1F2M	MC4 Branch Connector 1 X Female 2 X Male
			MC4T1M2F	MC4 Branch Connector 1 X Male 2 X Female



PART NUMBER	DESCRIPTION
MC4C	MC4 Solar Connector - Male and Female Complete
MC4-MC	MC4 Male Pin and Housing Only
MC4-FC	MC4 Female Pin and Housing Only
MC4M	MC4 Male Pin Only
MC4F	MC4 Female Pin Only
MC4P	MC4 Male and Female Panel Connector
MC4T1F2M	MC4 Branch Connector 1 X Female 2 X Male
MC4T1M2F	MC4 Branch Connector 1 X Male 2 X Female



Use with our ratchet crimp tool p/n - RTMC4

Cable terminations

Solar PV Terminals & Tools

High-Precision Ratchet Crimp Tool – RTMC4

High-precision ratchet mechanism
1.2 metric tonnes of pressure at the crimping face with minimum hand effort
Interchangeable high-precision crimping die set
Interchangeable magnetic locator for precision positioning of terminals
Ratchet release point in case of user error when crimping
Crimping range of 2.5/4/6mm² (AWG14/12/10)



MC4 Male & Female Panel Connector – MC4P

MC4 panel connector – male & female complete
2.5 / 4 / 6mm²
UV resistant / flame retardant UL94-V0
IP67 rated
Rated voltage: 1500V DC
Rated current: 30 amp
Temp range: -40°C to +85°C
Material: Polyphenylene Oxide (PPO)
Approval: IEC 62852 (Ed.1)



MC4 Approval No.
TUV DIN EN 50521:2008
VDE 0126-312009-10

MC4 Male & Female Connector – MC4C

MC4 connector – male & female complete
2.5 / 4 / 6mm²
UV resistant / flame retardant UL94-V0
IP67 rated
Rated voltage: 1500V DC
Rated current: 30 amp
Temp range: -40°C to +85°C
Material: Polyphenylene Oxide (PPO)
Approval: IEC 62852 (Ed.1)



MC4C: Male & female complete
MC4-MC: Male pin & housing only

MC4-FC: Female pin & housing only
MC4-M: Male pin only
MC4-F: Female pin only



MC4 Approval No.
TUV DIN EN 50521:2008
VDE 0126-312009-10

MC4 Branch Connector – MC4T1M2F & MC4T1F2M

MC4 branch connector
2.5 / 4 / 6mm²
UV resistant / flame retardant UL94-V0
IP67 rated
Rated voltage: 1500V DC
Rated current: 30 amp
Temp range: -40°C to +85°C
Material: Polyphenylene Oxide (PPO)
Approval: IEC 62852 (Ed.1)



MC4T1F2M:
2 x male,
1 x female entries

MC4T1M2F:
1 x male,
2 x female entries

Cable terminations

Solar PV Terminals & Tools

MC3 Connector – MC3C-4 & MC3C-6

MC3C-4:
2.5 - 4mm²
IP67 rated

MC3C-6:
6mm²
IP67 rated



MC3 Panel Connector – MCP-4 & MCP-6

MCP-4:
2.5 - 4mm²
IP67 rated

MCP-6:
6mm²
IP67 rated



MC3 Branch Connector MC3T1M2F & MC3T1F2M

MC3 branch connector
2.5 / 4 / 6mm²
IP67 rated



MC3T1M2F:
1 x male,
2 x female entries

MC3T1F2M:
2 x male,
1 x female entries

To see a video
explaining
techniques and
best practice scan
the QR code

