

Product data sheet

M10 Cables & Connectors



<https://finecables.com/m10-molded-cable/357/>

Product description	M10 Male A-coding Straight Connector, Snap-in Molded Cable, Contacts: 9, Unshielded, IP65
Part no.	MA10MAI09ST

Illustration



Scale drawing



You can find the assembly instructions on the next page.

General features

Part no.	MA10MAI09ST
Ambient temperature	-25°C ~ +85°C (flexible installation)
Ambient temperature	-40°C ~ +85°C (fixed installation)
IP rating	IP65 in locked condition
Mating endurance	>500 cycles

Electrical parameters

Insulation resistance	$\geq 20\text{M}\Omega$
Contact resistance	$\leq 5\text{m}\Omega$
Shielding	Unavailable
Rated current	1A
Rated voltage	30V
Wire gauge	0.14mm ² (AWG26)

Material

Connector insert	PA+GF
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Part no.	MA10MAI09ST
Connector contacts	Brass with gold plated
Connector overmold	TPU
Seal/O-ring	FKM

Security Notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

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