

## M SERIES WATERPROOF PLUGS & SOCKETS FOR POWER AND SIGNAL CONNECTIONS



Modern M1, M3 Connectors

Series M1 and M3 industrial connectors are designed for safety and reliability in harsh environmental conditions. They are watertight to IP67 and resistant to the effects of most acids and alkalines as well as extremes of temperature.

A modular design allows great flexibility in servicing and the primary range of applications include:

- ▶ CCTV - camera pan and tilt heads
- ▶ Food Processing Plant - Conveyors, auxiliary equipment
- ▶ Lighting equipment - Ballast box connections
- ▶ Mining and mechanical handling

### Features

- ▶ Modular design
- ▶ Simple replacement of individual parts, including contacts
- ▶ Rugged halogen-free PA housing
- ▶ Functional thread locking
- ▶ Fully insulated to DIN 0110, class 1
- ▶ Leading earth protection
- ▶ Waterproof and dustproof to IP67 (1 metre when mated)
- ▶ High quality crimp / solder contacts
- ▶ Current ratings to 50 Amps
- ▶ Fire retardancy to UL94VO
- ▶ Supplied in piece parts or optionally assembled

### Technical Data

Series	M1 / M3
Number of contacts	4 + PE ... 12 + PE
Rated current	up to 50 A
Rated voltage	25 V ... 400 V
Wire gauge	AWG 20 ... AWG 9
Terminal type	Crimp
Contact material	Copper alloy, silver or gold plated
Test voltage	1,500 V / 2,500 V
Temperature range	-25°C ... +100°C
Protection, IEC 60529	IP67
Housing material	PA6 GF30 and PA6.6 GF30 resp.
Locking	Threaded coupling