

M9 SERIES

M9 front-mount panel male receptacle PCB solder termination

CIRCULAR CONNECTOR / PRODUCT FAMILY GUIDE



PRODUCT FAMILY CODE

M09A0X-03-004

7 ORDERABLE PART NUMBERS / 2 / 3 / 4 / 5 / 6 / 7 / 8 CONTACTS / A-CODE / IP67

Product Overview



M9 SERIES / PRODUCT FAMILY

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M09A0X-03-004

WLconnectivity's m9 front-mount panel male receptacle pcb solder termination family consolidates 7 exact orderable configurations covering 2, 3, 4, 5, 6, 7, 8-contact options. The configurations share the product platform and engineering references shown in this manual; exact selection details are listed in the ordering table.

Technical Specifications

Rated voltage	125 V AC / 125 V DC
Outer shell material	copper alloy
Housing material	PA66 nylon
Overmold material	PVC / TPU
Contact material	gold-plated brass / gold-plated phosphor bronze
Applicable temperature	-40 °C to +85 °C
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 3 mΩ
Degree of protection	IP67
Mechanical durability	≥ 500 cycles

Configuration-specific Ratings

Electrical values that vary by contact count and coding

CONTACTS	CODING	RATED CURRENT	WIRE SIZE	WIRE GAUGE
2 / 3	A-code	4 A	0.25 mm ²	24 AWG
4 / 5	A-code	3 A	0.25 mm ²	24 AWG
6 / 7 / 8	A-code	1 A	0.14 mm ²	26 AWG

Ordering Information

All exact orderable part numbers for this product family

FAMILY CODE M09A0X-03-004

7 orderable part numbers

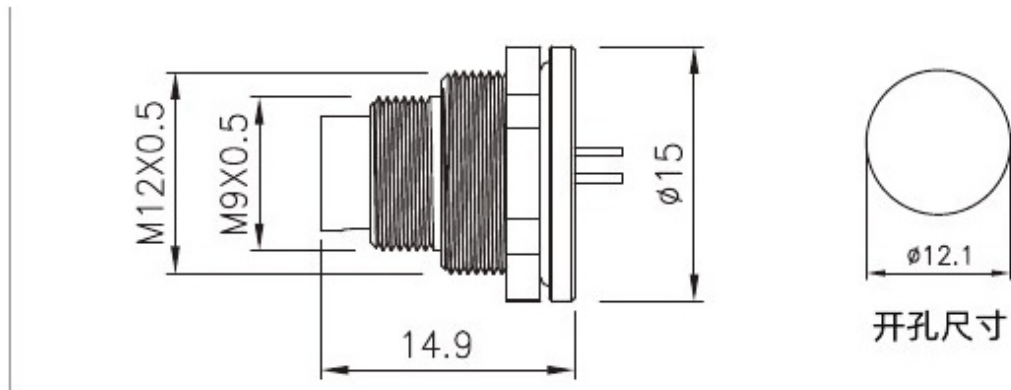
NO.	CONTACTS	CODING	CABLE OPTION	PART NUMBER
1	2	A-code	-	M09A02-03-004
2	3	A-code	-	M09A03-03-004
3	4	A-code	-	M09A04-03-004
4	5	A-code	-	M09A05-03-004
5	6	A-code	-	M09A06-03-004
6	7	A-code	-	M09A07-03-004
7	8	A-code	-	M09A08-03-004

Engineering Reference

Shared dimensional and pin-assignment reference for this product family

DIMENSIONAL REFERENCE

DIMENSIONS IN MILLIMETRES



PIN ASSIGNMENT / FRONT VIEW

Contacts: 2 / 3 / 4 / 5 / 6 / 7 / 8 / Coding: A-code

2 Pin	3 Pin	4 Pin	5 Pin	6 Pin	7 Pin	8 Pin
A-code	A-code	A-code	A-code	A-code	A-code	A-code
PCB core diagram						