

M12 SERIES

M12 overmolded cable-side male solder termination shielded version + 13L spring-loaded knurled screw

CIRCULAR CONNECTOR / PRODUCT FAMILY GUIDE



PRODUCT FAMILY CODE

M12X0X-07-109

14 ORDERABLE PART NUMBERS / 2 / 3 / 4 / 5 / 6 / 7 / 8 CONTACTS / A-CODE / B-CODE / D-CODE / IP67 / IP68

Product Overview



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WLconnectivity's m12 overmolded cable-side male solder termination shielded version + 13l spring-loaded knurled screw family consolidates 14 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

Wire size	0.14 mm ² to 0.75 mm ²
Wire gauge	26 AWG to 18 AWG
Standard	IEC 61076-2-101
Termination	Solder
Locking system	threaded locking
Degree of protection	IP67 / IP68
Mechanical durability	500 cycles
Operating temperature	-25 °C to +85 °C
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 1000 MΩ
Housing material	PA66 nylon
Contact material	gold-plated brass
Screw material	Brass With Nickel Plated
Shield material	Brass With Nickel Plated
Spring material	Stainless Steel
Gasket material	Fluorine Ring

Configuration-specific Ratings

Electrical values that vary by contact count and coding

CONTACTS	CODING	RATED CURRENT	RATED VOLTAGE
2 / 3 / 4 / 5	A-code / B-code / D-code	4 A	60 V
6 / 7 / 8	A-code	2 A	30 V

Ordering Information

All exact orderable part numbers for this product family

FAMILY CODE M12X0X-07-109

14 orderable part numbers

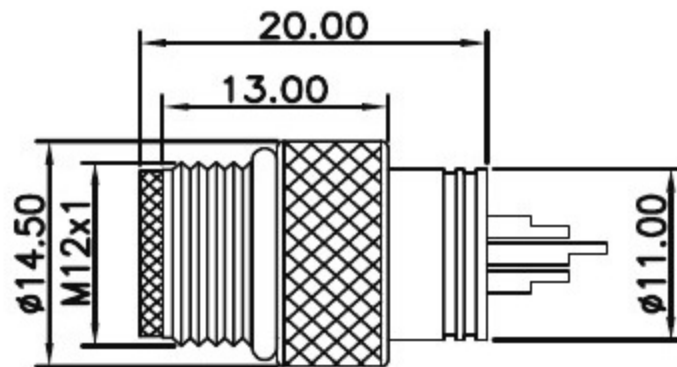
NO.	CONTACTS	CODING	CABLE OPTION	PART NUMBER
1	2	A-code	-	M12A02-07-109
2	2	B-code	-	M12B02-07-109
3	3	A-code	-	M12A03-07-109
4	3	B-code	-	M12B03-07-109
5	4	A-code	-	M12A04-07-109
6	4	B-code	-	M12B04-07-109
7	5	A-code	-	M12A05-07-109
8	5	B-code	-	M12B05-07-109
9	6	A-code	-	M12A06-07-109
10	2	D-code	-	M12D02-07-109
11	7	A-code	-	M12A07-07-109
12	3	D-code	-	M12D03-07-109
13	8	A-code	-	M12A08-07-109
14	4	D-code	-	M12D04-07-109

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 / B-code / D-code

	2 Pin	3 Pin	4 Pin	5 Pin	6 Pin	7 Pin	8 Pin
A-code							
B-code							
D-code							