

M16 SERIES

M16 male straight metal field-attachable plug solder termination

CIRCULAR CONNECTOR / PRODUCT FAMILY GUIDE



PRODUCT FAMILY CODE

M160XX-01-012

11 ORDERABLE PART NUMBERS / 2 / 8 / 3 / 12 / 4 / 14 / 5 / 19 / 6 / 24 / 7 CONTACTS / STANDARD / IP67 / IP68

Product Overview



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M160XX-01-012

WLconnectivity's m16 male straight metal field-attachable plug solder termination family consolidates 11 exact orderable configurations covering 2, 8, 3, 12, 4, 14, 5, 19, 6, 24, 7-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

Outer shell material	PA+GF / nickel-plated copper alloy / PA+GF
Housing material	PA+GF / TPU
Overmold material	TPU / PVC
Contact material	gold-plated brass / gold-plated phosphor bronze
Applicable temperature	-20 °C to +80 °C
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 5 mΩ
Degree of protection	IP67 / IP68
Mechanical durability	≥ 500 cycles

Configuration-specific Ratings

Electrical values that vary by contact count and coding

CONTACTS	CODING	RATED CURRENT	RATED VOLTAGE (AC)	RATED VOLTAGE (DC)	WIRE SIZE	WIRE GAUGE
2 / 3	Standard	7 A	250V	250V	0.75 mm ²	20 AWG
8 / 7	Standard	5 A	125V	125V	0.75 mm ²	20 AWG
12 / 14 / 19	Standard	3 A	60V	60V	0.25 mm ²	24 AWG
4 / 5	Standard	6 A	250V	250V	0.75 mm ²	20 AWG
6	Standard	5 A	250V	250V	0.75 mm ²	20 AWG
24	Standard	1 A	60V	60V	0.14 mm ²	26 AWG

Ordering Information

All exact orderable part numbers for this product family

FAMILY CODE M160XX-01-012

11 orderable part numbers

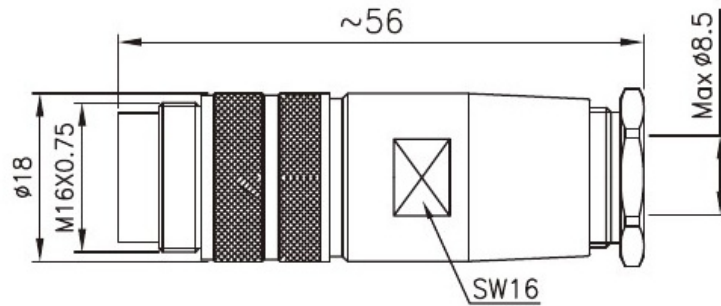
NO.	CONTACTS	CODING	CABLE OPTION	PART NUMBER
1	2	Standard	-	M16002-01-012
2	8	Standard	-	M16008-01-012
3	3	Standard	-	M16003-01-012
4	12	Standard	-	M16012-01-012
5	4	Standard	-	M16004-01-012
6	14	Standard	-	M16014-01-012
7	5	Standard	-	M16005-01-012
8	19	Standard	-	M16019-01-012
9	6	Standard	-	M16006-01-012
10	24	Standard	-	M16024-01-012
11	7	Standard	-	M16007-01-012

Engineering Reference

Shared dimensional and pin-assignment reference for this product family

DIMENSIONAL REFERENCE

DIMENSIONS IN MILLIMETRES



PIN ASSIGNMENT / FRONT VIEW

Contacts: 2 / 8 / 3 / 12 / 4 / 14 / 5 / 19 / 6 / 24 / 7 / Coding: Standard

