

M23 SERIES

M23 male straight signal field-attachable square-flange receptacle crimp termination mounting holes 19.8x19.8

CIRCULAR CONNECTOR / PRODUCT FAMILY GUIDE



PRODUCT FAMILY CODE

M23AX-01-014

6 ORDERABLE PART NUMBERS / 6 / 7 / 9 / 9P / 12 / 17 CONTACTS / A-CODE / IP67

Product Overview



M23 SERIES / PRODUCT FAMILY

M23 male straight signal field-attachable square-flange receptacle crimp termination mounting holes 19.8x19.8 **M23AX-01-014**

WLconnectivity's m23 male straight signal field-attachable square-flange receptacle crimp termination mounting holes 19.8x19.8 family consolidates 6 exact orderable configurations covering 6, 7, 9, 9P, 12, 17-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	PBT / PA66
Overmold material	TPU / PVC
Contact material	gold-plated brass / gold-plated phosphor bronze
Applicable temperature	-40 °C to +125 °C
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 5 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	RATED VOLTAGE (AC)	RATED VOLTAGE (DC)	WIRE SIZE	WIRE GAUGE
6 / 7	A-code	20 A	300V	300V	2.5 mm ²	14 AWG
9 / 12 / 17	A-code	8 A	150V	150V	1 mm ²	18 AWG
9P	A-code	8A / 20A	300V	150V	1 mm ² / 2.5 mm ²	18 AWG / 14 AWG

Ordering Information

All exact orderable part numbers for this product family

FAMILY CODE M23AX-01-014

6 orderable part numbers

NO.	CONTACTS	CODING	CABLE OPTION	PART NUMBER
1	6	A-code	-	M23A06-01-014
2	7	A-code	-	M23A07-01-014
3	9	A-code	-	M23A09-01-014
4	9P	A-code	-	M23A09P-01-014

CONFIGURATION RANGE

CONTACTS	6 / 7 / 9 / 9P / 12 / 17
CODING	A-code
CABLE OPTIONS	Not applicable
PROTECTION	IP67

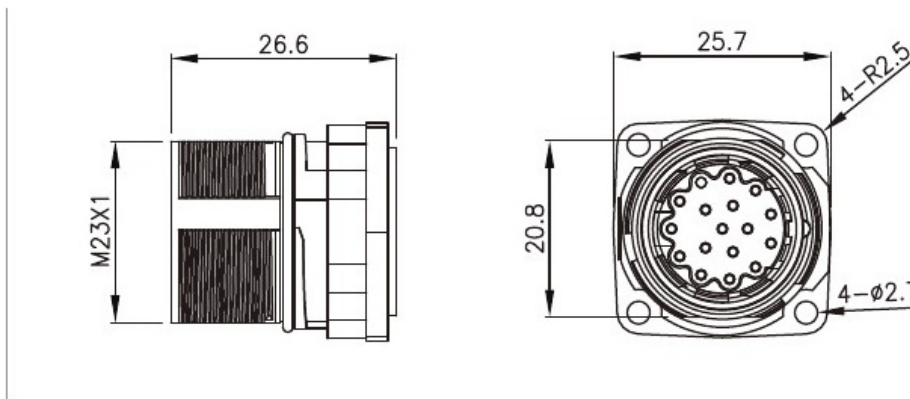


Engineering Reference

Shared dimensional and pin-assignment reference for this product family

DIMENSIONAL REFERENCE

DIMENSIONS IN MILLIMETRES



PIN ASSIGNMENT / FRONT VIEW

Contacts: 6 / 7 / 9 / 9P / 12 / 17 / Coding: A-code

