

M5 SERIES

# M5 rear-mount panel male receptacle solder termination

CIRCULAR CONNECTOR / PRODUCT FAMILY GUIDE



PRODUCT FAMILY CODE

**M05A0X-03-001**

2 ORDERABLE PART NUMBERS / 3 / 4 CONTACTS / A-CODE / IP67

# Product Overview



## M5 SERIES / PRODUCT FAMILY

### M5 rear-mount panel male receptacle solder termination

#### M05A0X-03-001

WLconnectivity's m5 rear-mount panel male receptacle solder termination family consolidates 2 exact orderable configurations covering 3, 4-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 current          | 1 A                                             |
| Rated voltage          | 60 V AC / 60 V DC                               |
| Wire size              | 0.14 mm <sup>2</sup>                            |
| Wire gauge             | 26 AWG                                          |
| Outer shell material   | copper alloy                                    |
| Housing material       | PA66 nylon                                      |
| Overmold material      | PVC / TPU                                       |
| Contact material       | gold-plated brass / gold-plated phosphor bronze |
| Applicable temperature | -20 °C to +80 °C                                |
| Insulation resistance  | ≥ 100 MΩ                                        |
| Contact resistance     | ≤ 3 mΩ                                          |
| Degree of protection   | IP67                                            |
| Mechanical durability  | ≥ 500 cycles                                    |

# Ordering Information

All exact orderable part numbers for this product family

## FAMILY CODE M05A0X-03-001

2 orderable part numbers

| NO. | CONTACTS | CODING | CABLE OPTION | PART NUMBER   |
|-----|----------|--------|--------------|---------------|
| 1   | 3        | A-code | -            | M05A03-03-001 |
| 2   | 4        | A-code | -            | M05A04-03-001 |

## CONFIGURATION RANGE

|               |                       |
|---------------|-----------------------|
| CONTACTS      | <b>3 / 4</b>          |
| CODING        | <b>A-code</b>         |
| CABLE OPTIONS | <b>Not applicable</b> |
| PROTECTION    | <b>IP67</b>           |

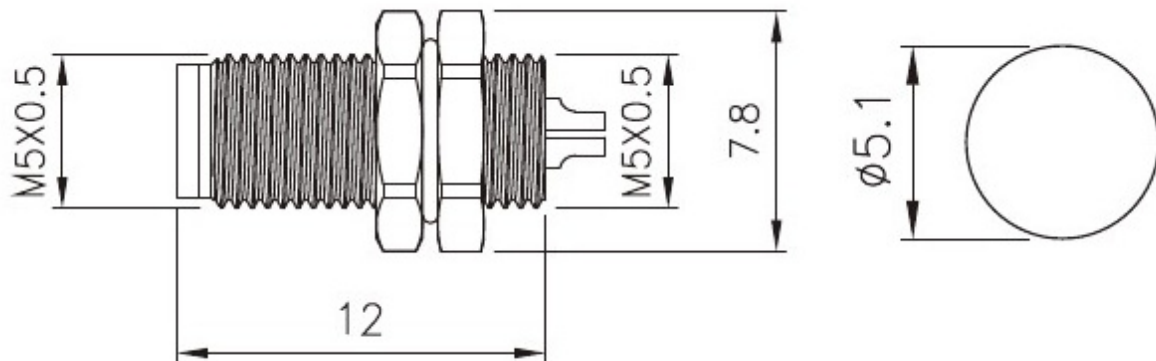


# Engineering Reference

Shared dimensional and pin-assignment reference for this product family

## DIMENSIONAL REFERENCE

DIMENSIONS IN MILLIMETRES



## PIN ASSIGNMENT / FRONT VIEW

Contacts: 3 / 4 / Coding: A-code

