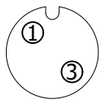
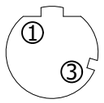
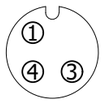
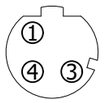
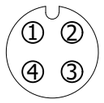
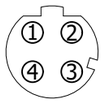
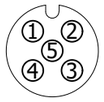
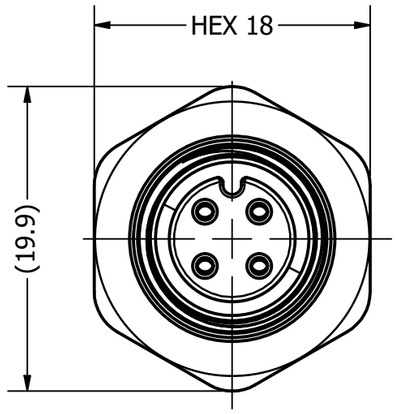
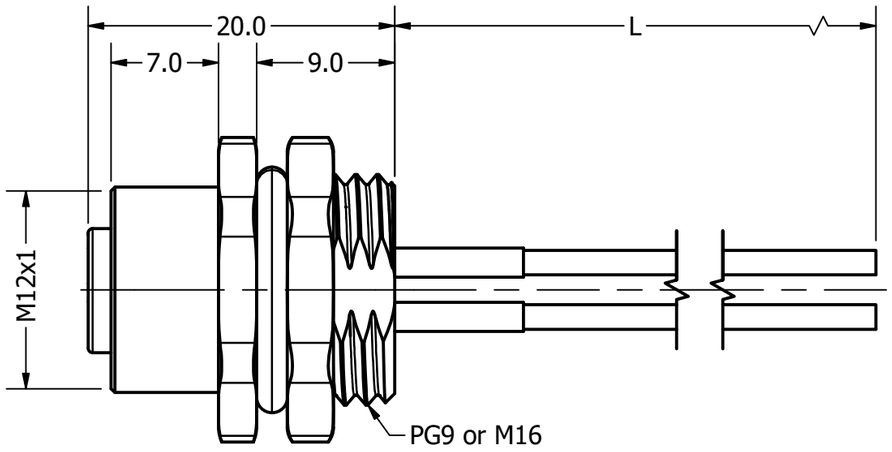
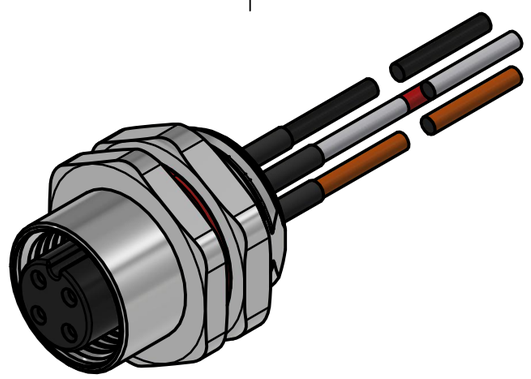
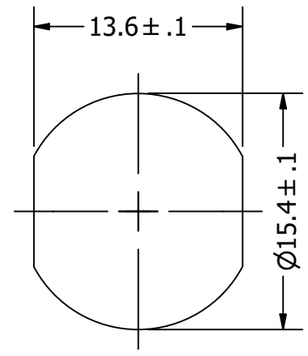
| | A CODE | D CODE | CABLE GAUGE | PIN OUT |
|---|---|---|---|---|
| 2 PIN |  |  | 22 AWG | 1. BLACK<br>3. BROWN |
| 3 PIN |  |  | 22 AWG | 1. BLACK<br>3. BROWN<br>4. RED |
| 4 PIN |  |  | 22 AWG | 1. BLACK<br>2. WHITE<br>3. BROWN<br>4. RED |
| 5 PIN |  |  | 22 AWG | 1. BLACK<br>2. WHITE<br>3. BROWN<br>4. RED<br>5. YELLOW |
| 6 PIN |  | | 24 AWG | 1. BLACK 7. BLUE<br>2. WHITE<br>3. BROWN<br>4. RED<br>6. YELLOW |
| 7 PIN |  | | 24 AWG | 1. BLACK 6. BLUE<br>2. WHITE 7. ORANGE<br>3. BROWN<br>4. RED<br>5. YELLOW |
| 8 PIN |  | | 24 AWG | 1. BLACK 6. BLUE<br>2. WHITE 7. ORANGE<br>3. BROWN 8. GREEN<br>4. RED<br>5. YELLOW |
| 9 PIN |  | | 26 AWG | 1. BLACK 6. BLUE<br>2. WHITE 7. ORANGE<br>3. BROWN 8. GREEN<br>4. RED 9. PURPLE<br>5. YELLOW |
| 10 PIN |  | | 26 AWG | 1. BLACK 6. BLUE<br>2. WHITE 7. ORANGE<br>3. BROWN 8. GREEN<br>4. RED 9. PURPLE<br>5. YELLOW 10. GREY |
| 11 PIN |  | | 26 AWG | 1. BLACK 6. BLUE 11. PINK<br>2. WHITE 7. ORANGE<br>3. BROWN 8. GREEN<br>4. RED 9. PURPLE<br>5. YELLOW 10. GREY |
| 12 PIN |  | | 26 AWG | 1. BLACK 6. BLUE 11. PINK<br>2. WHITE 7. ORANGE 12. LIGHT<br>3. BROWN 8. GREEN GREEN<br>4. RED 9. PURPLE<br>5. YELLOW 10. GREY |

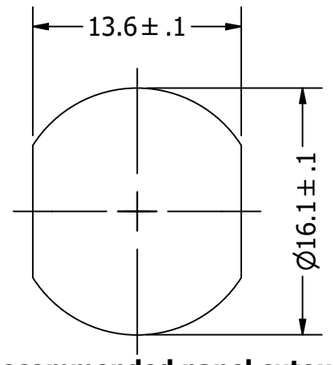





**PG9 Recommended panel cutout**
**MAX panel thickness: 4.0**




**M16 Recommended panel cutout**
**MAX panel thickness: 4.0**

**Electrical:**

| | |
|---|---|
| Current rating | 4A (2 ~ 5 Pins), 2A (6 ~ 8 Pins), 1.5A (9 ~ 12 Pins) AC/DC |
| Voltage rating | 250V (2 ~ 4 Pins), 60V (5 Pins), 30V (6 ~ 12 Pins) AC/DC |
| Withstanding voltage | 450V AC/minute between contacts |
| Insulation resistance | 10MΩ MIN |
| Contact resistance | 5mΩ MAX |

**Environmental:**

| | |
|---|---|
| Operating temperature | -40°C ~ +80°C |
| Ingress protection | IP67 |
| Mating cycles | 500 |

SCA12-XXSRXX-XXXX

- Cable Length
- Panel lock thread: 1=PG9 2=M16
- Coding
- Rear fastened
- Socket
- No. of contacts
- M12

| PARTS LIST | | |
|---|---|---|
| ITEM | DESCRIPTION | QTY |
| 1 | M12 socket rear fastened solder type | 1 |
| 2 | Heat srhink tube, Colour: Black | A/R |
| 3 | UL1007 XXAWG, Colour:XX | A/R |

| REVISION HISTORY | | | | |
|---|---|---|---|---|
| REV | DESCRIPTION | CHG REF | DATE | DESIGNER |
| 1.0 | Origin | - | 22 Aug 2023 | Owen Page |
| 1.1 | Drawing Updated | FB / SUPP | 29 Sep 2026 | Peter Millard |

Design Right Protected

Material:

Finish:

Gen Tol
.X ±0.50
0~0.2m ±10
0.2~1m ±20

DO NOT SCALE

Unit of Measure: millimeters (mm)

Third Angle Projection

Designed by Owen Page

Checked by Peter Millard

Approved by

©2026

Date 22 Aug 2023

A3

RoHS Compliant

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Description:
M12 (X) Pin A/D Code Socket, Straight, Rear Fastening (PG9/M16 Thread) Cable Assembly

Part No: SCA12-XXSRXX-XXXX

Issue 1.1

Sheet 1 / 1

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(CC#) M-Connectors\M12 Cable