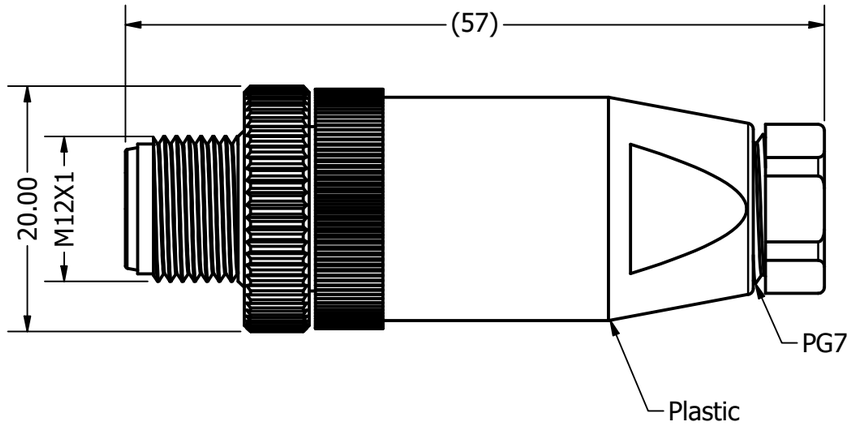
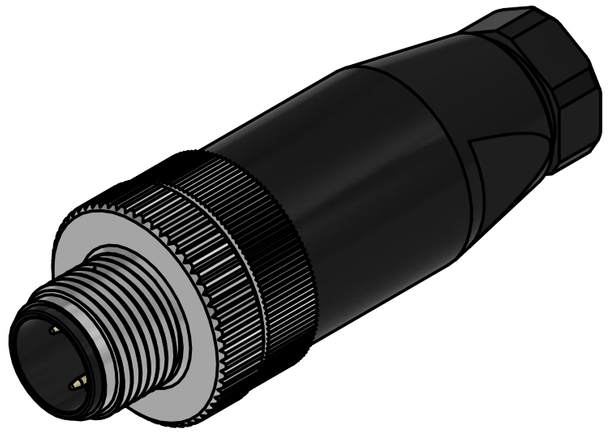
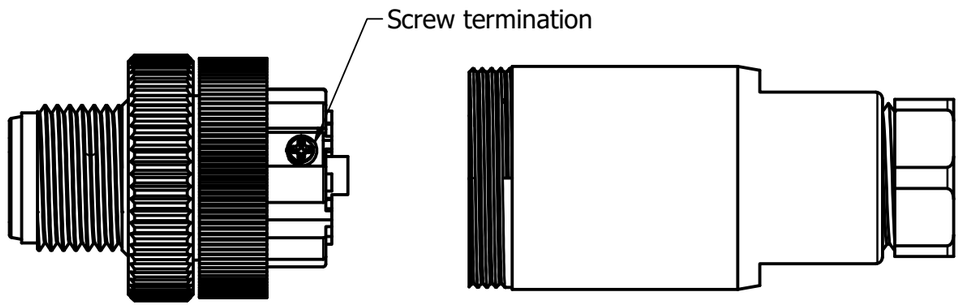






	A CODE	D CODE	B CODE
2 PIN	① ③	① ③	① ③
3 PIN	① ③ ④	① ③ ④	① ③ ④
4 PIN	② ① ③ ④	② ① ③ ④	② ① ③ ④
5 PIN	② ① ⑤ ③ ④		② ① ⑤ ③ ④
6 PIN	② ① ⑦ ③ ④ ⑥		
7 PIN	② ① ⑦ ③ ④ ⑥ ⑤		
8 PIN	② ① ③ ⑧ ⑦ ④ ⑤ ⑥		

Electrical:

Current rating	4A (2 ~ 5 Pins), 2A (6 ~ 8 Pins) AC/DC
Voltage rating	250V (2 ~ 4 Pins), 60V (5 Pins), 30V (6 ~ 8 Pins) AC/DC
Withstanding voltage	500V AC/minute between contacts
Insulation resistance	100MΩ MIN
Contact resistance	5mΩ MAX

Mechanical:

Seal for cable OD	4.0~6.0

Environmental:

Operating temperature	-40°C ~ +85°C
Ingress protection	IP67
Mating cycles	500

CC12-XXP-X-AE4

- M12
- No. of contacts
- Plug
- Coding
- Assembly screw type

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	22 Aug 2023	Owen Page
1.1	Updated Drawing	FB / SUPP	28 Sep 2026	Peter Millard

Design Right Protected	Material:	Finish:	Gen Tol .X ±0.30 .XX ±0.25	DO NOT SCALE	
				Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by Owen Page	Checked by	Approved by	©2026	Date 22 Aug 2023
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTIRES	This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.	Description: M12 (X) Pin A/B/D Code Plug, Cable Mount, Straight, Screw Termination	Part No: CC12-XXP-X-AE4	Issue 1.1 / Sheet 1 / 1

A3

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