

**SPECIFICATION**

**MATERIAL**

Insulator: PA66(RHODIA A50HI)/POM(M90)/PA66(6410G3) GF15%  
 Contacts: Phosphor Bronze (C5210-EH)  
 Shell: Brass(C3604-EH)&Zinc Alloy(ZL0410)&Phosphor Bronze(C5190)  
 Sealing: NBR

CONTACT PLATING Underplate: 50u"~70u" Nickel

Contact area: 10u" gold.

IDC area: 80-120u" tin plated.

**ELECTRICAL**

Operation voltage: 48 V (per contact)  
 Current rating: 0.5A (per contact)  
 Contact resistance: 5m Ohms max.  
 Insulation resistance: 100M Ohms min @ 500 VDC  
 Dielectric withstanding voltage: 500 VAC / minute  
 Temperature range: -40°C TO 90°C  
 Protection: IP67

Cable diameter: Ø6.8mm till Ø9.0mm

Part no.

649 | E 08 M B T D 1 N H D 3  
 1 2 3 4 5 6 7 8 9 10 11 12

**1.SERIES NO.**

649=Water proof Conn.

**2.I=IDC type (IDC Pin)**

E=RoHS

**4.CONTACT NUMBER:**

08=8 PINS

**5.CONTACT TYPE:**

M=MALE

**6.CONTACT AREA PLATING:**

B=10u" GOLD

**7.SOLDER TAILS AREA PLATING:**

T=TIN

**8.APPLY TYPE:**

D1=Cable End 180°

**9.SHELL PLATING:**

N=Nickel

**10.TYPE:**

F=X Coding 26AWG(no cover)

H=X Coding 26AWG(have cover)

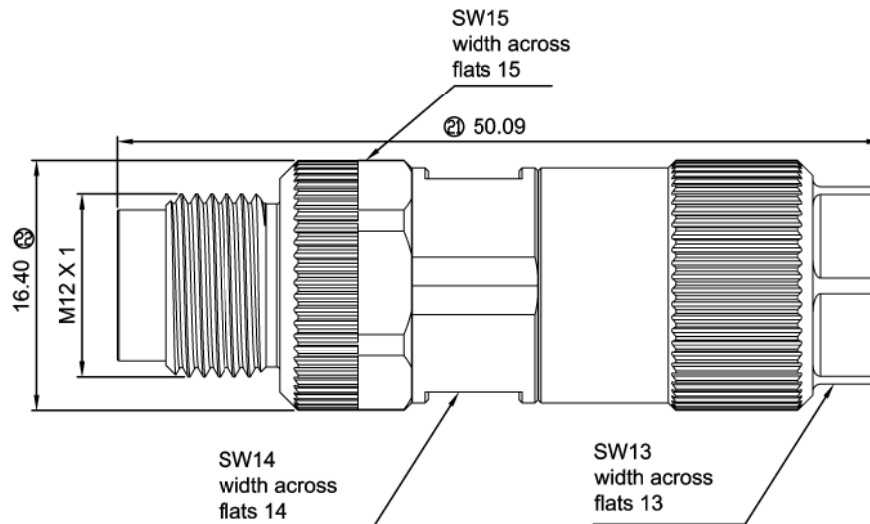
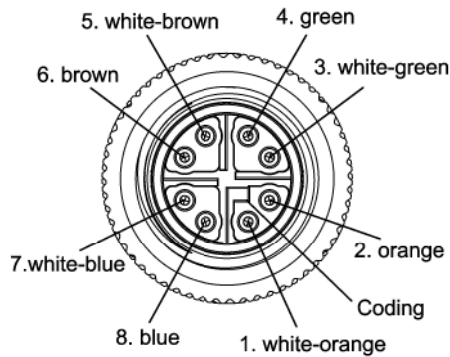
**11.PACKING STYLE:**

D=BAG

3=Black

**12.INSULATOR COLOR:**

Contact face acc. to IEC 61076-2-109



UNLESS OTHERWISE SPECIFIED TOLERANCE

ANG.	± 2°
0.	± 0.30
.0	± 0.20
.00	± 0.10

SCALE: AS SHOWN UNIT: mm

DRAWN Phoebe 05/06/2019

CHECKED / /

APPROVED / /

DATE

SIZE A4 REV. C



CHANT SINCERE CO.,LTD

TEL:886-02-86471251 FAX:886-02-86472962

DRAWN NAME: (NDR-16024) (PDR-19012)

M12 X-code Plug cable end  
 -IDC Version for coxoc

PRODUCT NO. 649IE08MBTD1NHD3

FILE NAME: 649IE08MBTD1NHD3(B04)

REV.	DESCRIPTION	DATE	SIZE	A4	REV. C
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