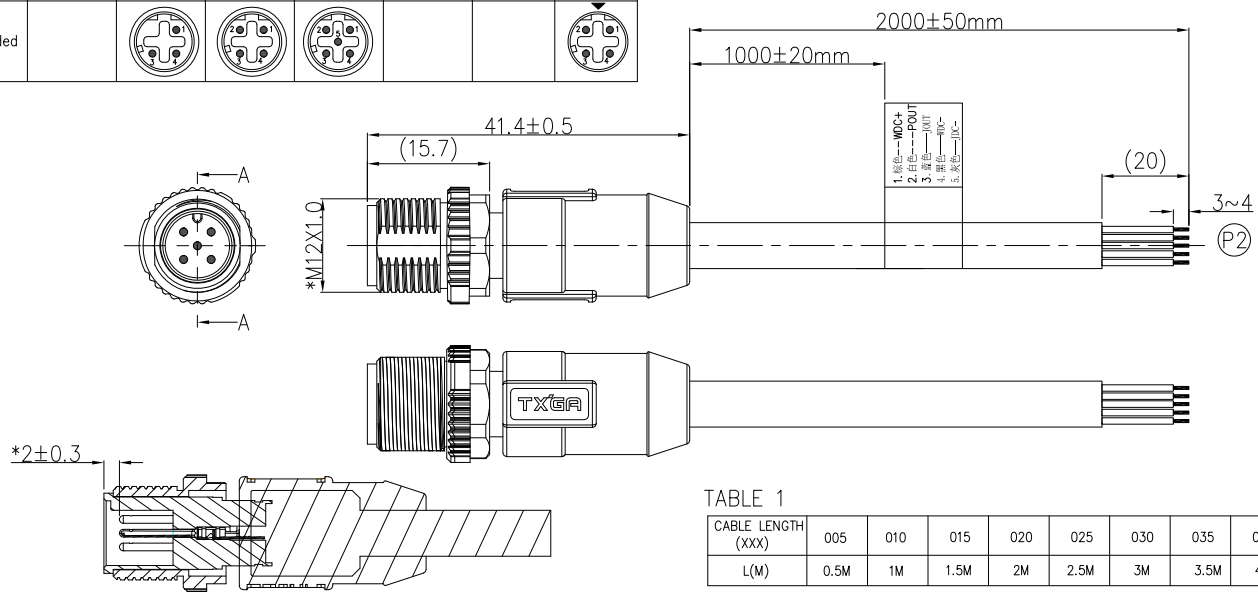


	1	2	3	4	5	6	7	8
	Coded	2Pin	3Pin	4Pin	5Pin	8Pin	12Pin	Key
A	A-Coded							
	B-Coded							
	D-Coded							

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
0		New Release	13/AUG		FRANK
1		add Label	22/Apr		FRANK

Note:
 1. *Important Dimension
 2. Waterproof Rate: IP68
 3. This product must meet IEC61076-2-101
 4. This product must meet 2011/65/EU ROHS compliance.
 5. Not note tolerances: ±0.20



截面图A-A

Ordering Information

FCQM12	-	X	XX	XXX	X	X	-	XX
1		2	3	4	5	6		7

1 Series Name
FCQM12

2 Coded
A-A CODED
B-B CODED
D-C CODED

3 Circuits
02-2Circuits
03-3Circuits
04-4Circuits
05-5Circuits
08-8Circuits
12-12Circuits

4 LENGTH
XXX(See Table1)

5 Shielded
S-With shield
0-Without shield

6 Entry Angle
0-0°
1-45°
2-90°
3-135°
4-180°

7 Serial Number
XX

TABLE 1

CABLE LENGTH (XXX)	005	010	015	020	025	030	035	040	045	050	999
L(M)	0.5M	1M	1.5M	2M	2.5M	3M	3.5M	4M	4.5M	5M	99.9M

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Currnt(40°C)	Contact resistance	Insulation resistance	Wire Size(mm²)/AWG
	250V	2500V	4A	≤8mΩ	≥100MΩ	0.25mm²/22
	250V	2500V	4A	≤8mΩ	≥100MΩ	0.25mm²/22
	250V	2500V	4A	≤8mΩ	≥100MΩ	0.25mm²/22
	60V(UL125V)	1500V	4A(UL3A)	≤8mΩ	≥100MΩ	0.25mm²/22
	30V(UL60V)	800V	1.5A(UL2A)	≤8mΩ	≥100MΩ	0.25mm²/24
	30V	800V	1.5A(UL2A)	≤8mΩ	≥100MΩ	0.14mm²/26

Connector locking system	Screw
Wiring type	Solder
Degree of protection	IP68(in mated condition)
Mechanical operation	> 100 mating cycles
Upper temperature	85°C
Lower temperature	-40°C
Pollution degree	3
Overvoltage categorie	II
Material group	II
Material of contact	CuZn (Messing/brass)
Contact plating	Au
Material of contact body	PA
Sealing	FKM/NBR
Material of housing	Brass nickel plated

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	TXGA Leader Of Industry
	X.±0.12(0.30)	X.±5°	FRANK	13/AUG/21	FCQM12-A05020S4-01	FCQM12	
DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X±2°	CHECKED BY	DATE	TITLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
SCALE 2:1	X.XX±.006(0.15)	.XX±1°	CHERRY	13/AUG/21	M12X1.0 A-Coded 5PIN male ST Without Shield		
SIZE A4	X.XXX±.004(0.10)	.XXX±0.5°	DRAWN BY DANIEL	DATE 13/AUG/21			REV 0 SHEET NO. 1/2

	1	2	3	4	5	6	7	8
Coded	2Pin	3Pin	4Pin	5Pin	8Pin	12Pin	Key	
A-Coded								
B-Coded								
D-Coded								

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
0		New Release	13/AUG		FRANK
1		add Label	22/Apr		FRANK

Note:
 1. *Important Dimension
 2. Waterproof Rate: IP68
 3. This product must meet IEC61076-2-101
 4. This product must meet 2011/65/EU ROHS compliance.
 5. Not note tolerances: ±0.20

Male Front View(P1)

P1						
P2	1Brown 3Blue	1Brown 3Blue 4Black	1Brown 2White 3Blue 4Black	1Brown 2White 3Blue 4Black 5Gray	1White 2Brown 3Green 4Yellow 5Gray 6Pink 7Blue 8Red	1Brown 2Blue 3White 4Green 5Pink 6Yellow 7Black 8Gray 9Red 10Purple 11Gray 12RedBlue
P1						
P2	1Brown 3Blue	1Brown 3Blue 4Black	1Brown 2White 3Blue 4Black	1Brown 2White 3Blue 4Black 5Gray		
P1						
P2		1Brown 3Blue 4Black	1Yellow 2White 3Orange 4Blue	1Brown 2White 3Blue 4Black 5Gray		

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 13/AUG/21	PART NO. FCQM12-A05020S4-01	ITEM NO. FCQM12	 Leader Of Industry	
	X.±.012(0.30)	X.±5°	CHECKED BY CHERRY	DATE 13/AUG/21	TITLE M12X1.0 A-Coded 5PIN male ST Without Shield			REV 0
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY DANIEL	DATE 13/AUG/21	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S,Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 2/2
	SCALE 2:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5"				

A
B
C
D
E
F

A
B
C
D
E
F