

1					2					3					4					5					6					7					8																								
Coded					2Pin					3Pin					4Pin					5Pin					REV					LOCATIONS					DESCRIPTION					DATE					REVISER					APPD									
A-Coded																									REV 1										11/12 cores, modify the core wire					14/Nov/24					King					LEO									
B-Coded																																																											
D-Coded																																																											

A

B

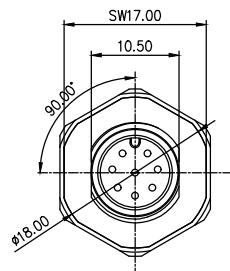
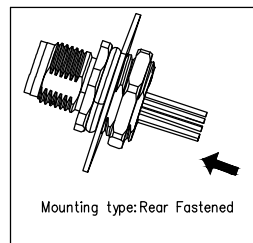
C

D

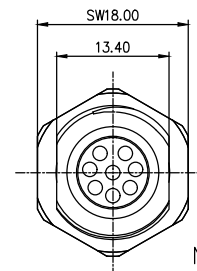
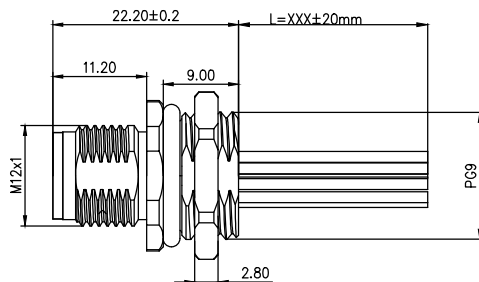
E

F

1		2		3		4		5		6		7		8	
Coded	6Pin	7Pin	8Pin			REV	LOCATIONS	DESCRIPTION		DATE	REVISER	APPD			
A-Coded						REV 1		11/12 cores, modify the core wire		14/Nov/24	King	LEO			

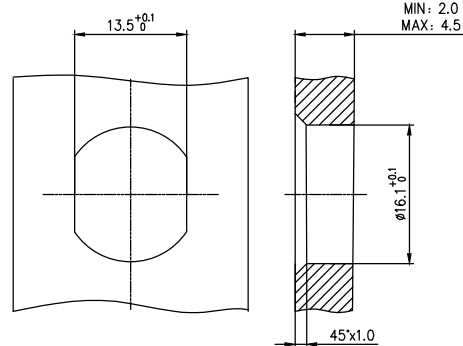


6~8PIN



Note:

- 1.Waterproof Rate:IP68
- 2.This product must meet IEC61076-2-101
- 3.This product must meet 2011/65/EU ROHS compliance.
- 4.Not note tolerances:±0.20
- 5.working temperature: -40°C~105°C
- 6.Mechanical operation:> 100 mating cycles



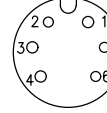
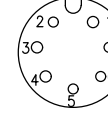
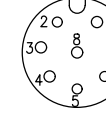
Recommended Panel Cut-Out

Ordering Information

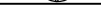
FCR1M12 - S X XX P S P 0 XXX - 00
1 2 3 4 5 6 7 8 9

1 Series Name	2 Category	3 Coded	4 Circuits	5 Contact
FCR1M12	S- Socket	A- A CODED B- B CODED D- D CODED	02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits 09-9Circuits 10-10Circuits 11-11Circuits 12-12Circuits	P- PIN

6 Entry Angle	7 Wiring type	8 Shield	9 LENGTH	10 SN
S-180° Vertical	P-Crimp	0-without shield	002-(200mm) 003-(200mm) ~ 010-(1.0m)	00

6Pin	7Pin	8Pin
		
		8 red
7 blue	7 blue	7 blue
6 pink	6 pink	6 pink
	5 gray	5 gray
4 yellow	4 yellow	4 yellow
3 green	3 green	3 green
2 brown	2 brown	2 brown
1 white	1 white	1 white
pin wire color	pin wire color	pin wire color

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance	Wire Sizemm ²) AWG
	30V	800V	2A	≤5mΩ	≥100MΩ	0.25mm ² /24AWG
	30V	800V	2A	≤5mΩ	≥100MΩ	0.25mm ² /24AWG
	30V	800V	2A	≤5mΩ	≥100MΩ	0.25mm ² /24AWG

		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 14/Nov/24	PART NO. FCR1M12-SXXXPSP0XXX-00	ITEM NO. FCR1M12		
THIRD ANGLE PROJECTION		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE M12 male socket, unshielded, with wire, IP68, PG9, rear lock, codes A/B/D		Building Technology Cornerstone	
DESIGN UNITS METRIC		X.X ±0.20	X.X* ±2°	GISELLE	14/Nov/24			REV 1	SHEET NO. 2/3
SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX* ±1°	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		X.XXX ±0.10	X.XXX* ±0.5°	King	14/Nov/24				

A

B

C

D

E

F

A

B

C

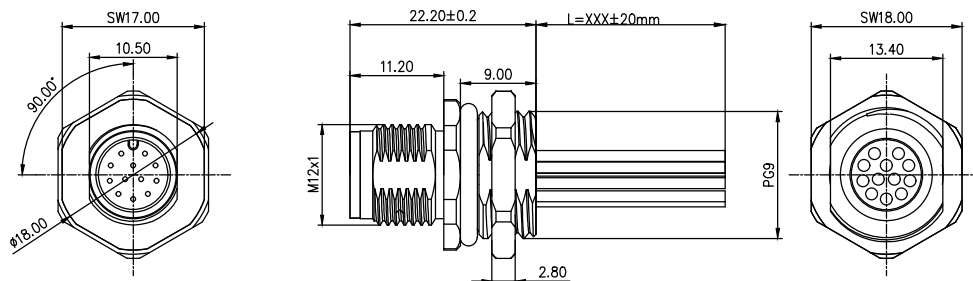
D

E

F

Coded	9Pin	10Pin	11Pin	12Pin
A-Coded				

9~12PIN



Note:

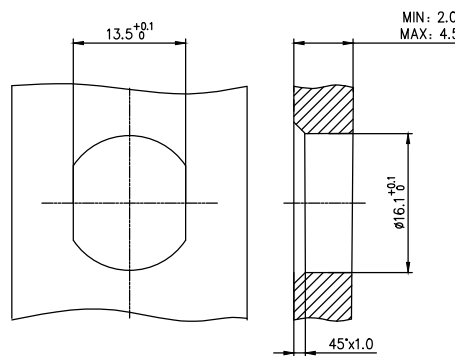
1. Waterproof Rate: IP68
2. This product must meet IEC61076-2-101
3. This product must meet 2011/65/EU ROHS compliance.
4. Not note tolerances: ±0.20
5. working temperature: -40°C~105°C
6. Mechanical operation: > 100 mating cycles

Ordering Information

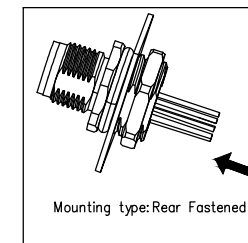
FCR1M12 - S X XX P S P O XXX - 00
1 2 3 4 5 6 7 8 9 10

Series Name	Category	Coded	Circuits	Contact
FCR1M12	S-socket	A-A CODED B-B CODED D-D CODED	02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits 09-9Circuits 10-10Circuits 11-11Circuits 12-12Circuits	P-PIN

Entry Angle	Wiring type	Shield	LENGTH	SN
S-180° Vertical	P-Crimp	0-without shield	002-(200mm) 003-(200mm) ~ 010-(1.0m)	00



Recommended Panel Cut-Out



Mounting type:Rear Fastened

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance	Wire Sizemm ² AWG
	30V	800V	1.5A	≤5mΩ	≥100MΩ	0.14mm ² /26AWG
	30V	800V	1.5A	≤5mΩ	≥100MΩ	0.14mm ² /26AWG
	30V	800V	1.5A	≤5mΩ	≥100MΩ	0.14mm ² /26AWG
	30V	800V	1.5A	≤5mΩ	≥100MΩ	0.14mm ² /26AWG

9Pin		10Pin		11Pin		12Pin	
							
						12	cyan
				11	orange	11	orange
		10	purple	10	purple	10	purple
9	red	9	red	9	red	9	red
8	gray	8	gray	8	gray	8	gray
7	black	7	black	7	black	7	black
6	yellow	6	yellow	6	yellow	6	yellow
5	pink	5	pink	5	pink	5	pink
4	green	4	green	4	green	4	green
3	white	3	white	3	white	3	white
2	blue	2	blue	2	blue	2	blue
1	brown	1	brown	1	brown	1	brown
pin	wire color	pin	wire color	pin	wire color	pin	wire color

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 14/Nov/24	PART NO. FCR1M12-SXXXPSP0XXX-00	ITEM NO. FCR1M12	 Building Technology Cornerstone	
		X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 14/Nov/24	TITLE M12 male socket, unshielded, with wire, IP68, PG9, rear lock, codes A/B/D	REV 1		
DESIGN UNITS METRIC		X.X ±0.20	X.X* ±2°	DRAWN BY King	DATE 14/Nov/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX* ±1°						
		X.XXX ±0.10	X.XXX* ±0.5°						SHEET NO. 3/3

A

B

C

D

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