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1		2		3		4		5		6		7		8						
Coded	2Pin	3Pin	4Pin	5Pin											REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
A-Coded															REV 1		Modify the total length of ~12 cores	10/Jun/24	King	LEO
B-Coded															REV 2		Modify PCB hole orientation	20/Jan/25	King	LEO
D-Coded																				

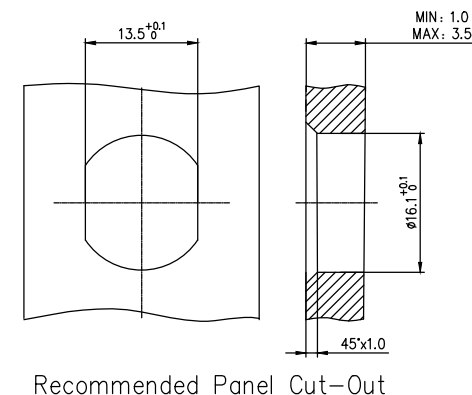
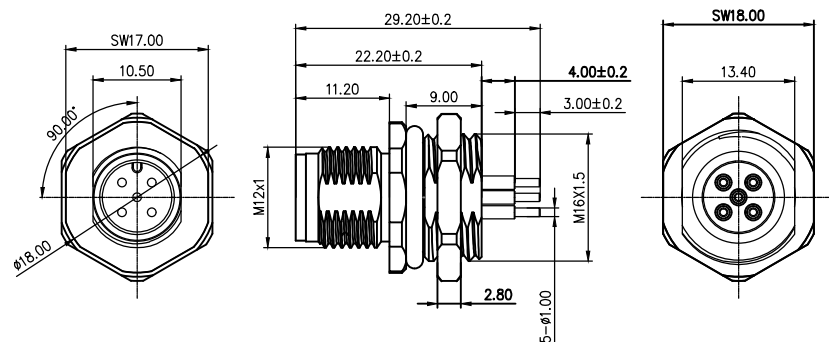
0.5 PIN

13.5^{+0.1}₀

MIN: 1.0
MAX: 3.5

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify the total length of ~12 cores	10/Jun/24	King	LEO
REV 2		Modify PCB hole orientation	20/Jan/25	King	LEO

2~5PIN



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: $\pm$ 0.20

Ordering Information

FCR3M12 - $\frac{S}{2}$ $\frac{X}{3}$ $\frac{XX}{4}$ $\frac{P}{5}$ $\frac{S}{6}$ $\frac{D}{7}$ $\frac{0}{8}$ - $\frac{00}{9}$

1 Series Name FCR3M12	2 Category S- Socket	3 Coded A-A CODED B-B CODED D-D CODED	4 Circuits 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits 09-9Circuits 10-10Circuits 11-11Circuits 12-12Circuits	5 Contact P-pin
6 Entry Angle S-180° Vertical R-90° Angle	7 Wiring type W-Soldering P-Crimp D-Through Hole	8 Shield 0-without shield 1-with shield	9 SN 0	

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance
	250V	2500V	4A	$\leq 5m\Omega$	$\geq 100M\Omega$
	250V	2500V	4A	$\leq 5m\Omega$	$\geq 100M\Omega$
	250V	2500V	4A	$\leq 5m\Omega$	$\geq 100M\Omega$
	60V	1500V	4A	$\leq 5m\Omega$	$\geq 100M\Omega$

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 18/Apr/24	PART NO. FCR3M12-SXXXPSD0-00	ITEM NO. FCR3M12	 Building Technology Cornerstone			
DESIGN UNITS METRIC		X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 18/Apr/24	TITLE Rear lock M16X1.5, male socket, 180 ° through-hole welding, without shielding		REV 2		SHEET NO. 1/4	
		X.X ±0.20	X.X* ±2°	DRAWN BY King	DATE 18/Apr/24						
		X.XX ±0.15	X.XX* ±1°			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°								
SCALE 1:1	SIZE A4										

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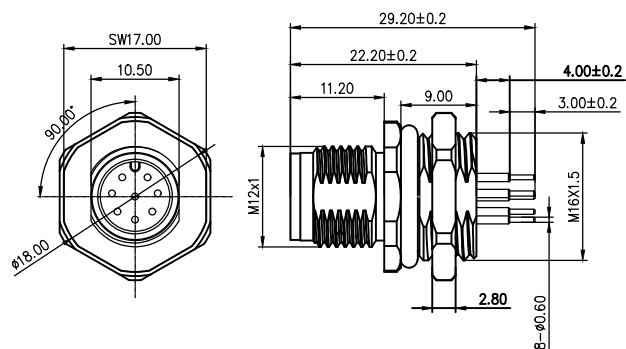
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Coded	6Pin	7Pin	8Pin	
A-Coded				

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

Ordering Information

FCR3M12 - $\frac{S}{2} \frac{X}{3} \frac{XX}{4} \frac{P}{5} \frac{S}{6} \frac{D}{7} \frac{0}{8} - \frac{00}{9}$

1 Series Name	2 Category	3 Coded	4 Circuits	5 Contact
FCR3M12	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

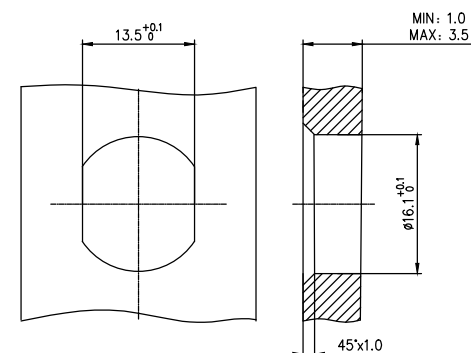
6 Entry Angle
S-180° Vertical

7 Wiring type
D-Through Hole

8 Shield
0-without shield

9 SN
0

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify the total length of ~12 cores	10/Jun/24	King	LEO
REV 2		Modify PCB hole orientation	20/Jan/25	King	LEO



Recommended Panel Cut-Out

Installation Category	PCBinstall
Degree of protection	IP68(in mated condition)
Mechanical operation	> 100 mating cycles
Upper temperature	105°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	PA66
Sealing	EPDM
Material of housing	copper alloy

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance
	30V	800V	2A	$\leq 5m\Omega$	$\geq 100M\Omega$
	30V	800V	2A	$\leq 5m\Omega$	$\geq 100M\Omega$
	30V	800V	2A	$\leq 5m\Omega$	$\geq 100M\Omega$

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 18/Apr/24	PART NO. FCR3M12-SXXXPSD0-00	ITEM NO. FCR3M12	 Building Technology Cornerstone	
		X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 18/Apr/24	TITLE Rear lock M16X1.5, male socket, 180 ° through-hole welding, without shielding			
DESIGN UNITS METRIC		X.X ±0.20	X.X* ±2°	DRAWN BY King	DATE 18/Apr/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		REV 2	SHEET NO. 2/4
SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX* ±1°						
		X.XXX ±0.10	X.XXX* ±0.5°						

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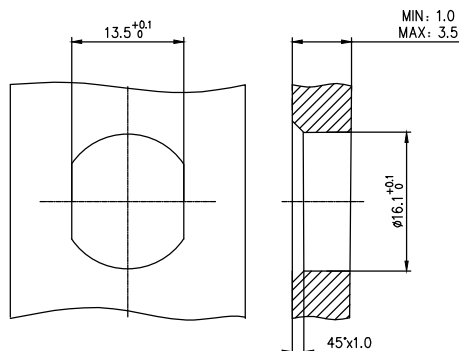
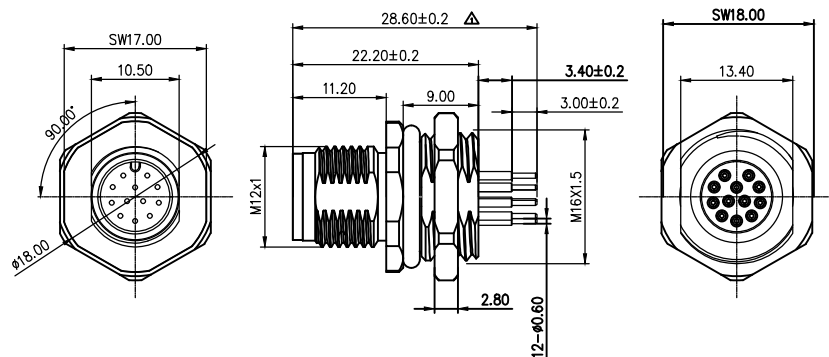
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Coded	9Pin	10Pin	11Pin	12Pin
A-Coded				

9~12PIN



Recommended Panel Cut-Out

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

Ordering Information

FCR3M12 - $\frac{S}{2}$ $\frac{X}{3}$ $\frac{XX}{4}$ $\frac{P}{5}$ $\frac{S}{6}$ $\frac{D}{7}$ $\frac{0}{8}$ - $\frac{00}{9}$

1 Series Name FCR3M12	2 Category S- Socket	3 Coded A-A CODED B-B CODED D-D CODED	4 Circuits 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits 09-9Circuits 10-10Circuits 11-11Circuits 12-12Circuits	5 Contact P-pin
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6 Entry Angle
S-180° Vertical

7 Wiring type
D-Through Hole

8 Shield
0-without shield

9 SN
00

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify the total length of ~12 cores	10/Jun/24	King	LEO
REV 2		Modify PCB hole orientation	20/Jan/25	King	LEO

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Installation Category	PCBinstall
Degree of protection	IP68(in mated condition)
Mechanical operation	> 100 mating cycles
Upper temperature	105°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	PA66
Sealing	EPDM
Material of housing	copper alloy

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current	Contact resistance	Insulation resistance
	30V	800V	1.5A	$\leq 5m\Omega$	$\geq 100M\Omega$
	30V	800V	1.5A	$\leq 5m\Omega$	$\geq 100M\Omega$
	30V	800V	1.5A	$\leq 5m\Omega$	$\geq 100M\Omega$
	30V	800V	1.5A	$\leq 5m\Omega$	$\geq 100M\Omega$

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 18/Apr/24	PART NO. FCR3M12-SXXXPSD0-00	ITEM NO. FCR3M12	 Building Technology Cornerstone		
DESIGN UNITS METRIC		X. ± 0.30	X.* $\pm 5^{\circ}$	CHECKED BY GISELLE	DATE 18/Apr/24	TITLE Rear lock M16X1.5, male socket, 180° through-hole welding, without shielding		REV 2	SHEET NO. 3/4	
		X.X ± 0.20	X.X* $\pm 2^{\circ}$							
		X.XX ± 0.15	X.XX* $\pm 1^{\circ}$	DRAWN BY King	DATE 18/Apr/24					
SCALE 1:1	SIZE A4	X.XXX ± 0.10	X.XXX* $\pm 0.5^{\circ}$			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		Modify the total length of ~12 cores	10/Jun/24	King	LEO
REV 2		Modify PCB hole orientation	20/Jan/25	King	LEO

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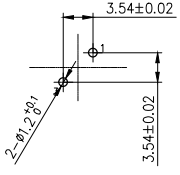
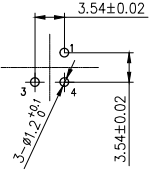
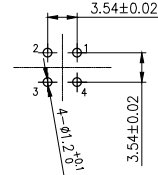
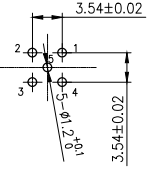
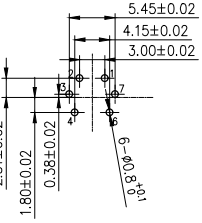
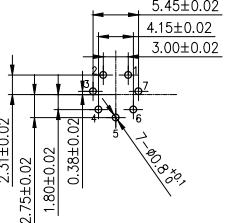
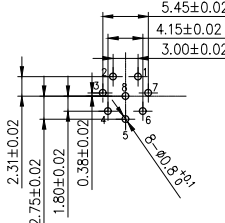
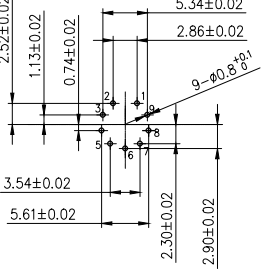
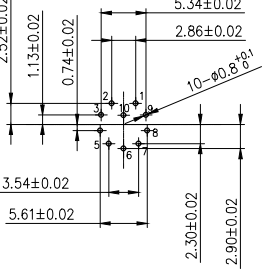
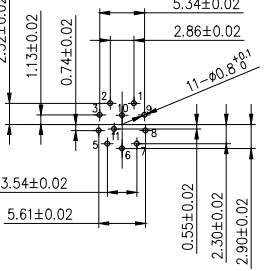
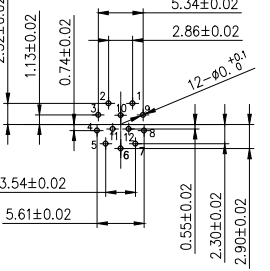
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2-core PCB hole size	3-core PCB hole size	4-core PCB hole size	5-core PCB hole size
			
6-core PCB hole size	7-core PCB hole size	8-core PCB hole size	
			
9-core PCB hole size	10-core PCB hole size	11-core PCB hole size	12-core PCB hole size
			

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 18/Apr/24	PART NO. FCR3M12-SXXXPSD0-00	ITEM NO. FCR3M12	 Building Technology Cornerstone		
		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE Rear lock M16X1.5, male socket, 180 ° through-hole welding, without shielding				
DESIGN UNITS METRIC		XX ±0.20	XX.* ±2°	GISELLE	18/Apr/24					REV 2
		XX ±0.15	XX.* ±1°	DRAWN BY King	DATE 18/Apr/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	XXX ±0.10	XXX.* ±0.5°							

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