

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. Electronic wire UL 1569 PVC

Recommended Panel Cut-Out

TABLE 1

L (XXXX)	0050	0100	0150	0200	...	0990
	50mm	100mm	150mm	200mm	...	990mm
	1000	1500	2000	3000	...	9999
	1M	1.5M	2M	3M	...	9.999M
Dimensions L (mm)						
Range(length)	50 to 200	201 to 500	1001 to 5000	5000 to 9000		
Tolerance(mm)	±10	±15	±25	±30		
PACKING SPECIFICATION						
Range(length)	50 to 200	201 to 1000	1001 to 5000			
	5pcs/Bag	2pcs/Bag	1pcs/Bag			

Ordering Information

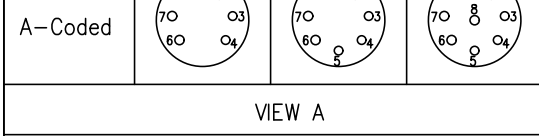
FM12W T11 02 - X XX S 1 XX XXXX 00
 1 2 3 4 5 6 7 8 9

1 Category FM12W-M12 Wire	2 Mounting thread T11-Front mounting M16X1.5	3 Distinction num. 02	4 Coded A-A CODED B-B CODED D-D CODED
5 Circuits 02-2Circuits 03-3Circuits ... 17-17Circuits	6 Contact S-socket	7 Contact plating 1-Gold plated	8 Contact plating thickness 01-0.025µm 03-0.075µm
			9 Cable length XXXX-(see table1)

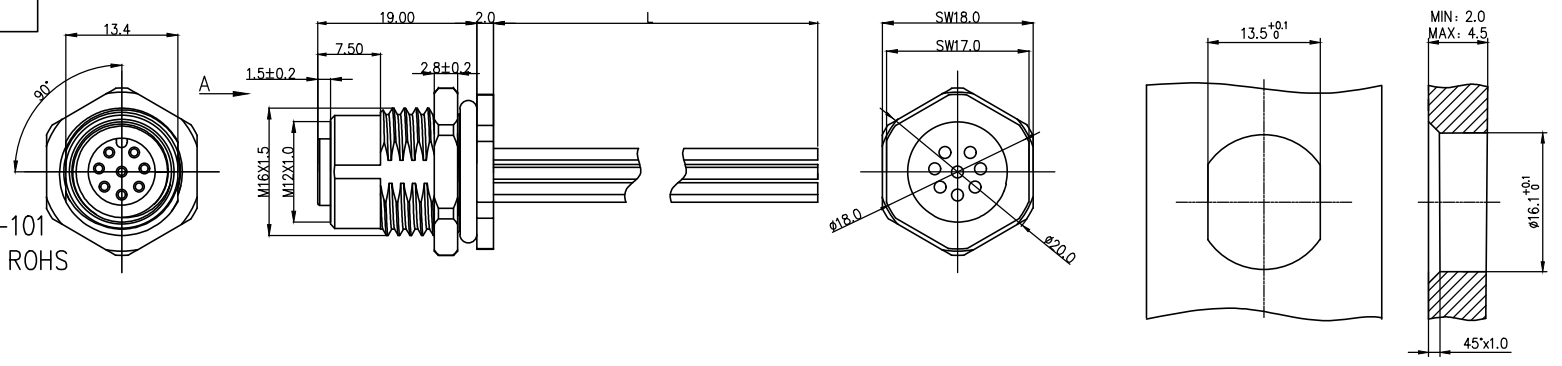
2Circuits (A/B/D)		3Circuits (A/B/D)		4Circuits (A/B/D)		5Circuits (A/B/D)		Installation category		single line	
								Degree of protection		IP68(in mated condition)	
								Mechanical operation		> 100 mating cycles	
						5		Upper temperature		105°C	
		4		Black		4		Lower temperature		-40°C	
3		Blue		3		Blue		Pollution degree		3	
				2		White		Overvoltage categorie		II	
1		Brown		1		Brown		Material group		II	
Circuits	wire color	Circuits	wire color	Circuits	wire color	Circuits	wire color	Material of contact		CuZn	
Circuits	Rated voltage	Rated impulse voltage	Rated current	Contact resistance	Insulation resistance	O.D	Wire size(mm ²) AWG	Contact plating		Au	
2Circuits	250V	2500V	4A	≤5mΩ	≥100MΩ	1.6	0.34mm ² /22AWG	Material of contact body		PA66	
3Circuits	250V	2500V	4A	≤5mΩ	≥100MΩ	1.6	0.34mm ² /22AWG	Sealing		EPDM	
4Circuits	250V	2500V	4A	≤5mΩ	≥100MΩ	1.6	0.34mm ² /22AWG	Material of housing		alloy	
5Circuits	60V	1500V	4A	≤5mΩ	≥100MΩ	1.6	0.34mm ² /22AWG				

ELECTRICAL	
1. Withstanding Voltage: DC 300V	
2. Conduction Impedance: 3Ω (Max)	
3. Insulation Resistance: 10MΩ (Min)	

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 27/Apr/24	PART NO. FM12WT1102-XXXS1XXXXXX00	ITEM NO. FM12WT1102	 Building Technology Cornerstone	
	X. ±0.30 X.* ±5'		CHECKED BY GISELLE	DATE 27/Apr/24	TITLE M12 female socket, unshielded, with wire, 2-12 circuits, M16X1.5, front lock, codes A/B/D, double flat position			REV 0 SHEET NO. 1/3
	DESIGN UNITS METRIC	X.XX ±0.20 X.X' ±2'	DRAWN BY King	DATE 27/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			



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Dimensions L (mm)						
Range(length)	50 to 200	201 to 500	1001 to 5000	5000 to 9000		
Tolerance(mm)	±10	±15	±25	±30		
PACKING SPECIFICATION						
Range(length)	50 to 200	201 to 1000	1001 to 5000			
	5pcs/Bag	2pcs/Bag	1pcs/Bag			

Ordering Information

FM12W T11 02 - X XX S 1 XX XXXX 00
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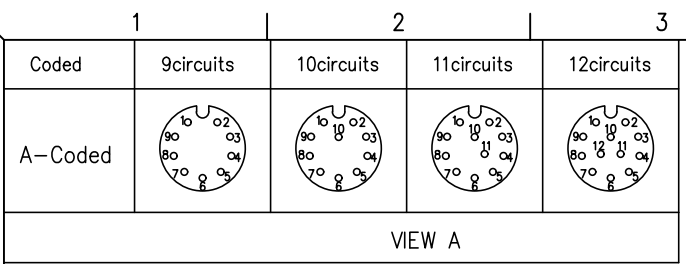
6Circuits		7Circuits		8Circuits	
7	Blue	7	Blue	7	Blue
6	Pink	6	Pink	6	Pink
		5	Gray	5	Gray
4	Yellow	4	Yellow	4	Yellow
3	Green	3	Green	3	Green
2	Brown	2	Brown	2	Brown
1	White	1	White	1	White
Circuits	wire color	Circuits	wire color	Circuits	wire color

Installation category	single line
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
Contact plating	Au
Material of contact body	PA66
Sealing	EPDM
Material of housing	alloy

Circuits	Rated voltage	Rated impulse voltage	Rated current	Contact resistance	Insulation resistance	O.D	Wire size(mm ²) AWG
6Circuits	30V	800V	2A	≤5mΩ	≥100MΩ	1.4	0.25mm ² /24AWG
7Circuits	30V	800V	2A	≤5mΩ	≥100MΩ	1.4	0.25mm ² /24AWG
8Circuits	30V	800V	2A	≤5mΩ	≥100MΩ	1.4	0.25mm ² /24AWG

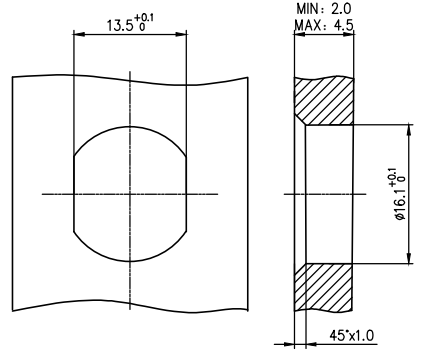
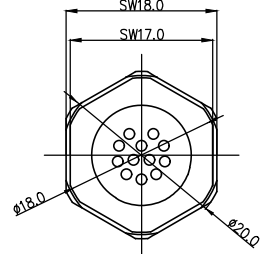
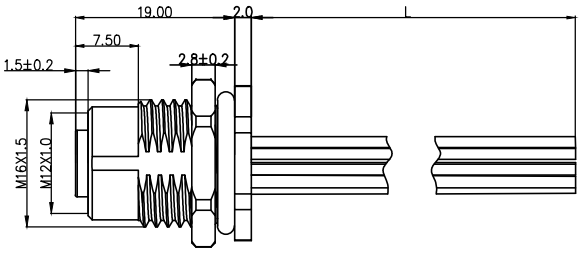
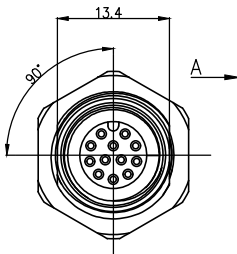
ELECTRICAL	
1. Withstanding Voltage:DC 300V	
2. Conduction Impedance: 3Ω (Max)	
3. Insulation Resistance: 10MΩ(Min)	

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 27/Apr/24	PART NO. FM12WT1102-XXXS1XXXXXX00	ITEM NO. FM12WT1102	 Building Technology Cornerstone
	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 27/Apr/24	TITLE M12 female socket, unshielded, with wire, 2~12 circuits, M16x1.5, front lock, codes A/B/D, double flat position		
	X.X ±0.20	X.XX' ±2°	DRAWN BY King	DATE 27/Apr/24	REV 0	SHEET NO. 2/3	
SCALE 1:1	SIZE A4	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°						



VIEW A

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9 Cable length XXXX-(see table)			

Circuits	Rated voltage	Rated impulse voltage	Rated current	Contact resistance	Insulation resistance	OD	Wire size(mm²) AWG
9Circuits	30V	800V	1.5A	≤5mΩ	≥100MΩ	1.3	0.14mm²/26AWG
10Circuits	30V	800V	1.5A	≤5mΩ	≥100MΩ	1.3	0.14mm²/26AWG
11Circuits	30V	800V	1.5A	≤5mΩ	≥100MΩ	1.3	0.14mm²/26AWG
12Circuits	30V	800V	1.5A	≤5mΩ	≥100MΩ	1.3	0.14mm²/26AWG

9Circuits	10Circuits	11Circuits	12Circuits	Installation category	single line
				Degree of protection	IP68(in mated condition)
				Mechanical operation	> 100 mating cycles
				Upper temperature	105°C
				Lower temperature	-40°C
				Pollution degree	3
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				Material group	II
				Material of contact	CuZn
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ELECTRICAL
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 THIRD ANGLE PROJECTION DESIGN UNITS METRIC SCALE 1:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 27/Apr/24	PART NO. FM12WT1102-XXXS1XXXXXX00	ITEM NO. FM12WT1102	 Building Technology Cornerstone REV 0 SHEET NO. 3/3
	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 27/Apr/24	TITLE M12 female socket, unshielded, with wire, 2~12 circuits, M16X1.5, front lock, codes A/B/D, double flat position		
	X.X ±0.20	X.X.* ±2°	DRAWN BY King	DATE 27/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		
	X.XX ±0.15	X.XX.* ±1°					