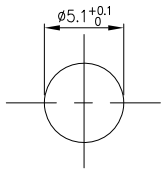
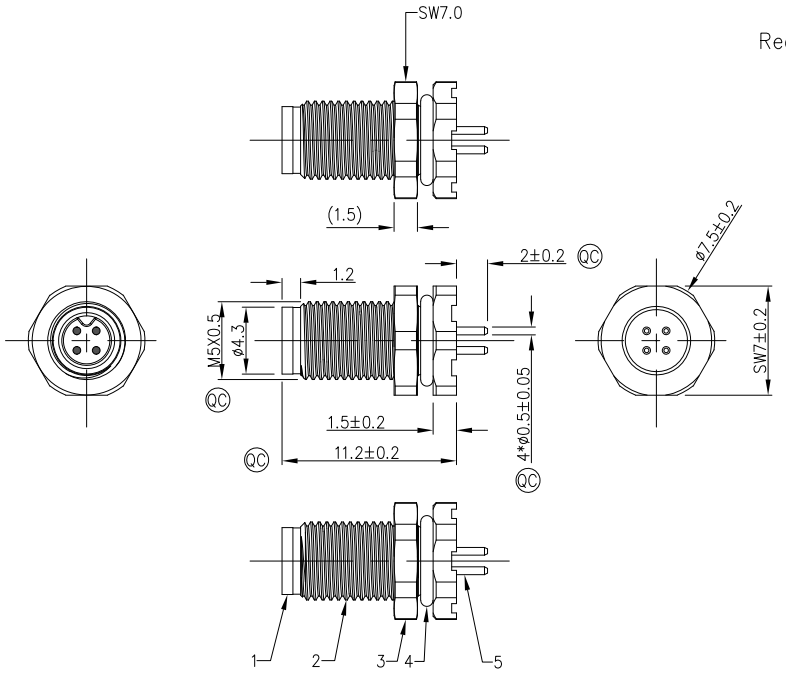
Coded \ Circuits	2Circuits	3Circuits	4Circuits
A-Coded			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
0		New Relase	6/June		FRANK

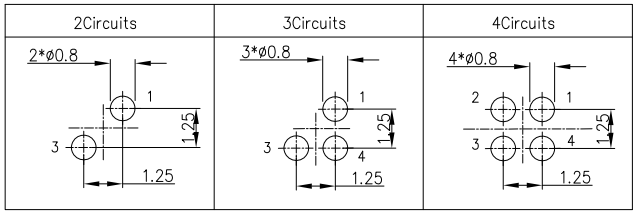


Recommended Panel Cut-Out

Note:
1. QC Important Dimension
2. Degree of protection: IP68
3. This product must meet IEC61076-2-105
4. This product must meet 2011/65/EU ROHS compliance.
5. Not note tolerances: ±0.20
6. Use torque values 0.5Nm



Recommended PCB Layout



* Note: All Materials Meet The "RoHs" !

NO.	SPECIFICATION	DESCRIPTION
5	nut	M5X0.5
4	O-ring	NBR black
3	terminal	Copper alloy,Ep Au
2	shell	Copper alloy,Ep Ni
1	housing	M5X0.5 male housing

Circuits	Rated Voltage	Rated impulse Voltage	Rated Current(40°C)	Contact resistance	Insulation resistance
4Circuits	60V	800V	1A	≤5mΩ	≥100MΩ
3Circuits	60V	800V	1A	≤5mΩ	≥100MΩ
2Circuits	60V	800V	1A	≤5mΩ	≥100MΩ

Connector locking system	M5X0.5 Screw
Wiring type	Through Hole
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	I
Material of contact	Copper alloy
Contact plating	Au
Material of contact body	PA
Sealing	NBR
Material of housing	Copper nickel plated

Ordering Information

FM5S (1) T01 (2) 01 (3) - A (4) XX (5) P (6) 1 (7) 04 (8) D (9) 00

1 Series Name: FM5S-M5 Socket
2 Mounting thread: T01-M5X0.5
3 Distinction No.: 01
4 Coded: A-A CODED
5 Circuits: 02-2Circuits; 03-3Circuits; 04-4Circuits
6 Contact: P-Pin
7 Plating: 1-Ep Au
8 Thickness Plating: 04-0.1μm
9 Wiring type: D-Through Hole

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 13/July/23	PART NO. FM5ST0101-AXXP104D00 / ITEM NO. FM5ST0101
DESIGN UNITS Metric	X.±(0.30)	X.°±5°	CHECKED BY CHERRY	DATE 13/July/23	TITLE: Front fastened M5x0.5 Male Socket【THR】
SCALE 2:1 / SIZE A4	X.X±(0.15)	.XX°±1°	DRAWN BY DANIEL	DATE 13/July/23	REV 0 / SHEET NO. 1/1
	X.XX±(0.10)	.XXX°±0.5°			

TXGA Building Technology Cornerstone

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