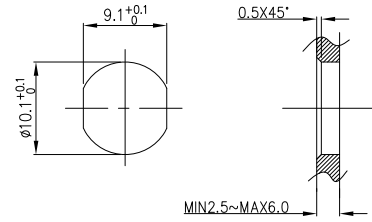
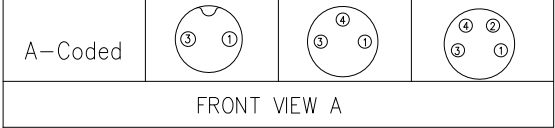
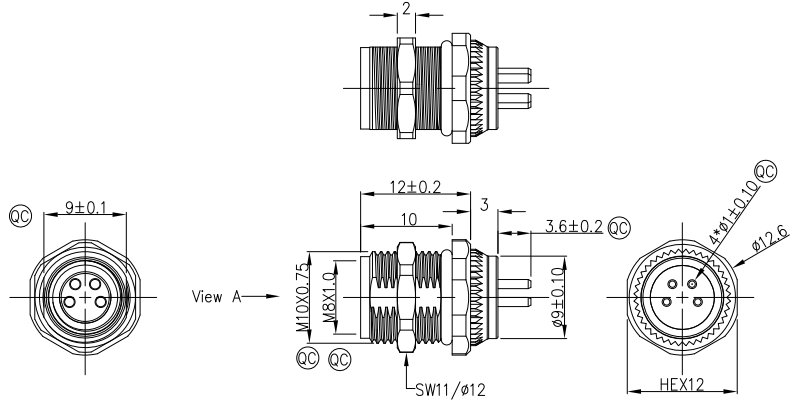


1	2	3	4	5	6	7	8			
Circuits	2Circuits	3Circuits	4Circuits		REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
A-Coded					0		New Release	4/DEC		FRANK

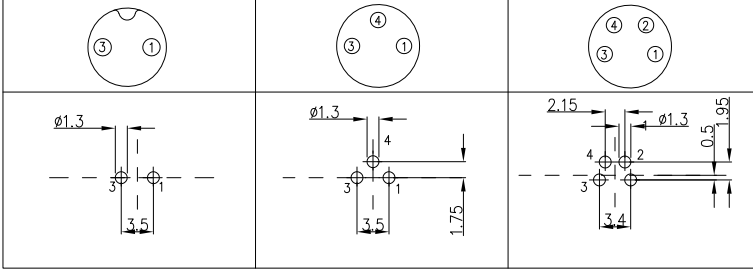


Note:  
 1. Ⓞ Important Dimension  
 2. Waterproof Rate: IP68  
 3. This product must meet IEC61076-2-104  
 4. This product must meet 2011/65/EU ROHS compliance.  
 5. Not note tolerances: ±0.20  
 6. Use torque values 1Nm

Recommended Panel Cut-Out



PCB Layout 【Front view A】



Connector locking system	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	II
Material of contact	CuZn (Messing/brass)
Contact plating	Au
Material of contact body	PA
Sealing	EPDM
Material of housing	Brass nickel plated

Ordering Information

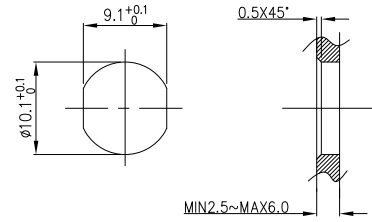
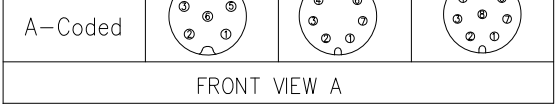
FM8S T05 12 - X XX S 1 04 D 00  
 1 2 3 4 5 6 7 8 9

- 1 Series Name - FM8S-M8 Socket
- 2 Mounting thread - T05-Front fastened M10X0.75
- 3 Distinction No. - 12
- 4 Coded - A-A CODED, B-B CODED, D-D CODED
- 5 Circuits - 02-2Circuits, 03-3Circuits, 04-4Circuits, 05-5Circuits, 06-6Circuits, 07-7Circuits, 08-8Circuits
- 6 Contact - S-Socket
- 7 Plating - 1-Ep Au
- 8 Thickness Plating - 04-0.1μm
- 9 Wire type - D-Through Hole

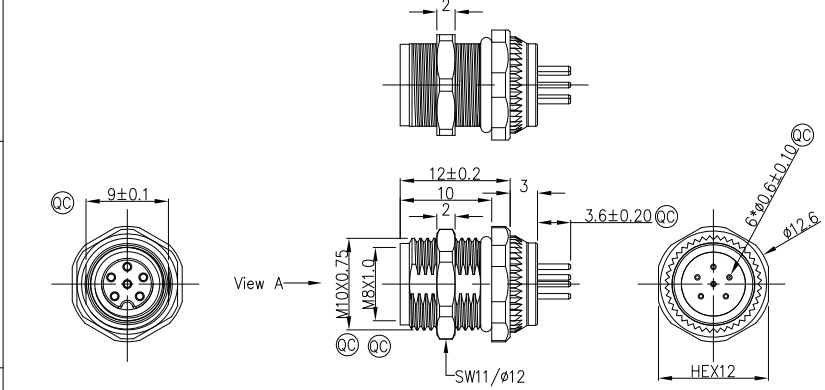
Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current (40°C)	Contact resistance	Insulation resistance
	60V DC	1500V	4A	≤3mΩ	≥100MΩ
	60V DC	1500V	4A	≤3mΩ	≥100MΩ
	60V DC	1500V	4A	≤3mΩ	≥100MΩ

 THIRD ANGLE PROJECTION DESIGN UNITS Metric SCALE 2:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 4/DEC/23	PART NO. FM8ST0512-XXXS104D00	ITEM NO. FM8ST0512	 Building Technology Cornerstone
	X.±0.30	.X'±5'	CHECKED BY CHERRY	DATE 4/DEC/23	TITLE M8X1.0 female socket 180° [THT] front fastened M10X0.75 without shield		
	X.XX±0.15	.XX'±1'	DRAWN BY LAM	DATE 4/DEC/23	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	.XXX'±0.5'			REV 0	SHEET NO. 1/3	

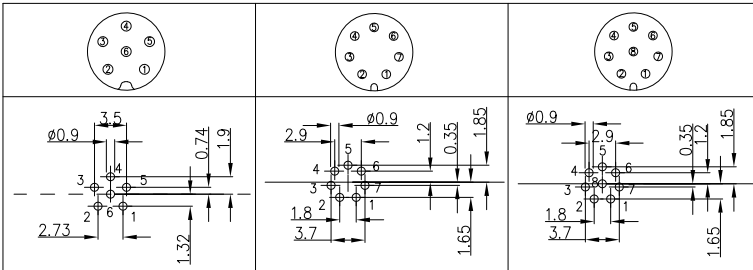
1	2	3	4	5	6	7	8			
Circuits	6Circuits	7Circuits	8Circuits		REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
A-Coded					0		New Release	4/DEC		FRANK



Note:  
 1. Ⓞ Important Dimension  
 2. Waterproof Rate: IP68  
 3. This product must meet IEC61076-2-104  
 4. This product must meet 2011/65/EU ROHS compliance.  
 5. Not note tolerances: ±0.20  
 6. Use torque values 1Nm



PCB Layout 【Front view A】



Connector locking system	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	II
Material of contact	CuZn (Messing/brass)
Contact plating	Au
Material of contact body	PA
Sealing	EPDM
Material of housing	Brass nickel plated

Ordering Information

FM8S T05 12 - X XX S 1 04 D 00  
 1 2 3 4 5 6 7 8 9

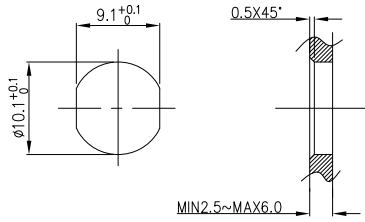
- 1 Series Name: FM8S-M8 Socket
- 2 Mounting thread: T05-Front fastened M10X0.75
- 3 Distinction No.: 12
- 4 Coded: A-A CODED, B-B CODED, D-D CODED
- 5 Circuits: 02-2Circuits, 03-3Circuits, 04-4Circuits, 05-5Circuits, 06-6Circuits, 07-7Circuits, 08-8Circuits
- 6 Contact: S-Socket
- 7 Plating: 1-Ep Au
- 8 Thickness Plating: 04-0.1μm
- 9 Wire type: D-Through Hole

Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Current (40°C)	Contact resistance	Insulation resistance
	30V DC	800V	1.5A	≤3mΩ	≥100MΩ
	30V DC	800V	1.5A	≤3mΩ	≥100MΩ
	30V DC	800V	1.5A	≤3mΩ	≥100MΩ

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<b>TXGA</b> Building Technology Cornerstone
	X.±0.30	.X'±5'	FRANK	4/DEC/23	FM8ST0512-XXS104D00	FM8ST0512	
DESIGN UNITS Metric	X.X±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±0.15	.XX'±1'	CERRY	4/DEC/23	M8X1.0 female socket 180° [THT] front fastened M10X0.75 without shield		
SIZE A4	X.XXX±0.10	.XXX'±0.5'	DRAWN BY LAM	DATE 4/DEC/23	REV 0 SHEET NO. 2/3		

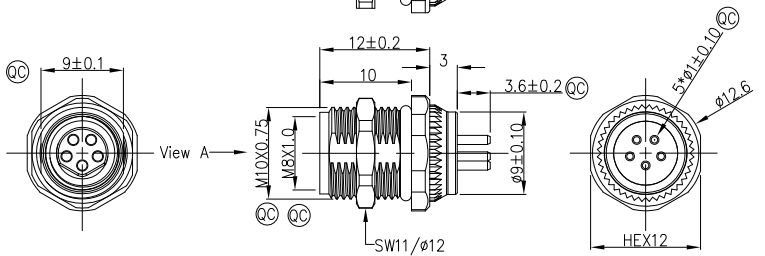
1	2	3	4	5	6	7	8			
Circuits	5Circuits				REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
B-Coded					0		New Release	4/DEC		FRANK
Circuits	4Circuits									
D-Coded										

Circuits	5Circuits
B-Coded	
Circuits	4Circuits
D-Coded	
FRONT VIEW A	

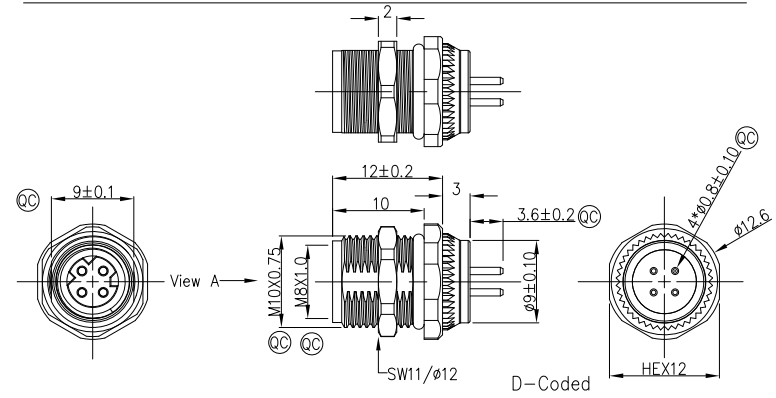


Note:  
 1. Ⓢ Important Dimension  
 2. Waterproof Rate: IP68  
 3. This product must meet IEC61076-2-104  
 4. This product must meet 2011/65/EU ROHS compliance.  
 5. Not note tolerances: ±0.20  
 6. Use torque values 1Nm

Recommended Panel Cut-Out

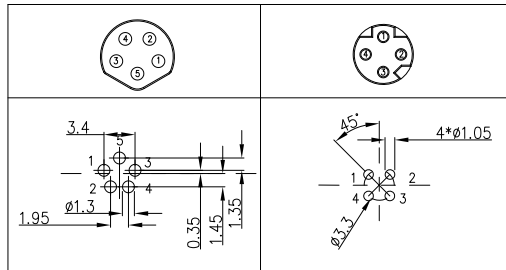


B-Coded



D-Coded

PCB Layout 【Front view A】



Connector locking system	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	II
Material of contact	CuZn (Messing/brass)
Contact plating	Au
Material of contact body	PA
Sealing	EPDM
Material of housing	Brass nickel plated

Ordering Information

FM8S T05 12 - X XX S 1 04 D 00  
 1 2 3 4 5 6 7 8 9

1 Series Name FM8S-M8 Socket	2 Mounting thread T05-Front fastened M10X0.75	3 Distinction No. 12	4 Coded A-A CODED B-B CODED D-D CODED	5 Circuits 02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits	6 Contact S-Socket
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7 Plating 1-Ep Au	8 Thickness Plating 04-0.1μm	9 Wire type D-Through Hole
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 THIRD ANGLE PROJECTION DESIGN UNITS Metric SCALE 2:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 4/DEC/23	PART NO. FM8ST0512-XXS104D00	ITEM NO. FM8ST0512	 Building Technology Cornerstone REV 0 SHEET NO. 3/3
	X.±0.30	.X'±5'	CHECKED BY CHERRY	DATE 4/DEC/23	TITLE M8X1.0 female socket 180° [THT] front fastened M10X0.75 without shield		
	X.XX±0.15	.XX'±1'	DRAWN BY LAM	DATE 4/DEC/23	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	.XXX'±0.5'					