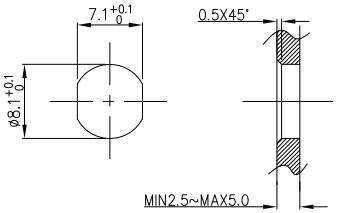
Circuits	2Circuits	3Circuits	4Circuits	Circuits	5Circuits
A-Coded				B-Coded	

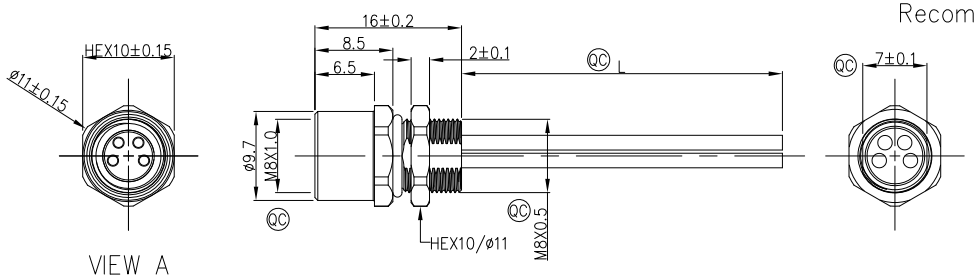
FRONT VIEW A

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
0		New Relase	4/DEC	LAM	FRANK



Recommended Panel Cut-Out

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



VIEW A

Ordering Information

FM8W 1 | R03 2 | 22 3 | – | X 4 | XX 5 | S 6 | 1 7 | 04 8 | XXXX 9 | 00

1 Series Name: FM8W-M8 Wire	– 2 Mounting thread: R03-rear fastened M8X0.5	3 Distinction No.: 22	– 4 Coded: A-A CODED, B-B 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 Length: XXXX-(see table1)	

TABLE 1

CABLE LENGTH (XXX)	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 1000	1001 to 5000	5000 to 9999
Tolerance(mm)	±10	±15	±25	±30

						5	grey
		4	black	4	black	4	black
3	blue	3	blue	3	blue	3	blue
				2	white	2	white
1	brown	1	brown	1	brown	1	brown
Circuits	Color	Circuits	Color	Circuits	Color	Circuits	Color

Circuits	Rated Voltage	Rated impulse Voltage	Rated Currnt (40°C)	Contact resistance	Insulation resistance	Wire Size(mm²)/ AWG
2Circuits	60V DC	1500V	4A	≤5mΩ	≥100MΩ	0.35mm²/22AWG
3Circuits	60V DC	1500V	4A	≤5mΩ	≥100MΩ	0.35mm²/22AWG
4Circuits	60V DC	1500V	4A	≤5mΩ	≥100MΩ	0.35mm²/22AWG
5Circuits	60V DC	1500V	4A	≤5mΩ	≥100MΩ	0.35mm²/22AWG

Connector locking system	Screw
Wiring type	Crimp
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

THIRD ANGLE PROJECTION

DESIGN UNITS Metric

SCALE 2:1 | SIZE A4

GENERAL TOLERANCES (UNLESS SPECIFIED)

X.±0.30	X.°±5°
X.X±0.20	.X°±2°
X.XX±0.15	.XX°±1°
X.XXX±0.10	.XXX°±0.5°

APPROVE BY	FRANK	DATE 4/DEC/23
CHECKED BY	CHERRY	DATE 4/DEC/23
DRAWN BY	LAM	DATE 4/DEC/23

PART NO. FM8WR0322-XXXS104XXXX00

ITEM NO. FM8SR0322

TXGA Building Technology Cornerstone

TITLE
M8X1.0 female socket rear fastened M8X0.5
Crimp terminal【double section】to lite open end

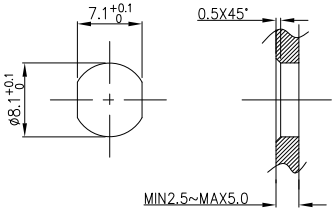
REV 0 | SHEET NO. 1/2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

Circuits	6Circuits	7Circuits	8Circuits
A-Coded			

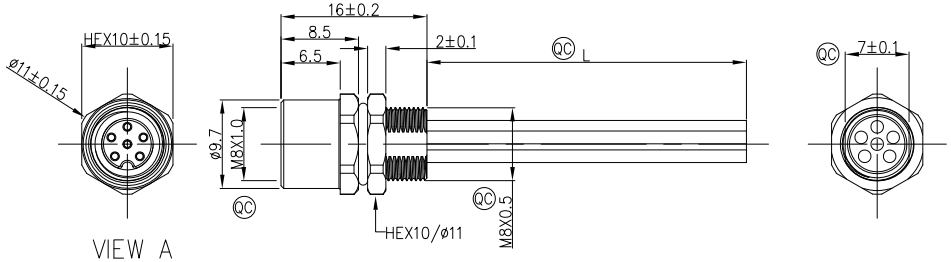
FRONT VIEW A

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
0		New Relase	4/DEC	LAM	FRANK



Recommended Panel Cut-Out

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



VIEW A

Ordering Information

FM8W	R03	22	-	X	XX	S	1	04	XXXX	00
1	2	3		4	5	6	7	8	9	

1 Series Name	2 Mounting thread	3 Distinction No.	4 Coded	5 Circuits
FM8W-M8 Wire	R03-rear fastened M8X0.5	22	A-A CODED B-B CODED	02-2Circuits 03-3Circuits 04-4Circuits 05-5Circuits 06-6Circuits 07-7Circuits 08-8Circuits

6 Contact	7 Plating	8 Thickness Plating	9 Length
S-Socket	1-Ep Au	04-0.1μm	XXXX-(see table1)

TABLE 1

CABLE LENGTH (XXX)	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 1000	1001 to 5000	5000 to 9999
Tolerance(mm)	±10	±15	±25	±30

		7	blue	8	red	
6	purple	6	pink	6	pink	
5	grey	5	grey	5	grey	
4	black	4	yellow	4	yellow	
3	blue	3	green	3	green	
2	white	2	brown	2	brown	
1	brown	1	white	1	white	
Circuits	Color	Circuits	Color	Circuits	Color	

Circuits	Rated Voltage	Rated impulse Voltage	Rated Currnt (40°C)	Contact resistance	Insulation resistance	Wire Size(mm²)/ AWG
6Circuits	30V DC	800V	1.5A	≤5mΩ	≥100MΩ	0.25mm²/24AWG
7Circuits	30V DC	800V	1.5A	≤5mΩ	≥100MΩ	0.14mm²/26AWG
8Circuits	30V DC	800V	1.5A	≤5mΩ	≥100MΩ	0.14mm²/26AWG

Connector locking system	Screw
Wiring type	Crimp
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

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 4/DEC/23	PART NO. FM8WR0322-XXXS104XXXX00
DESIGN UNITS Metric	X.±0.30	X.°±5°	CHECKED BY CHERRY	DATE 4/DEC/23	ITEM NO. FM8SR0322
SCALE 2:1	X.X±0.15	.XX°±1°	DRAWN BY LAM	DATE 4/DEC/23	TITLE M8X1.0 female socket rear fastened M8X0.5 Crimp terminal【double section】to lite open end
SIZE A4	X.XXX±0.10	.XXX°±0.5°			REV 0 / SHEET NO. 2/2

TXGA Building Technology Cornerstone

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