MWT CONNECTOR *Wire-to-wire/Sealed connector*

Compliant with the ISO 19689, 0.64 mm individual waterproof, 6 pole wire to wire connection connector. The retainer is a pre-set type for both female and male housing.
Protection cover to female connector from water and dust is selectable to the installation direction.
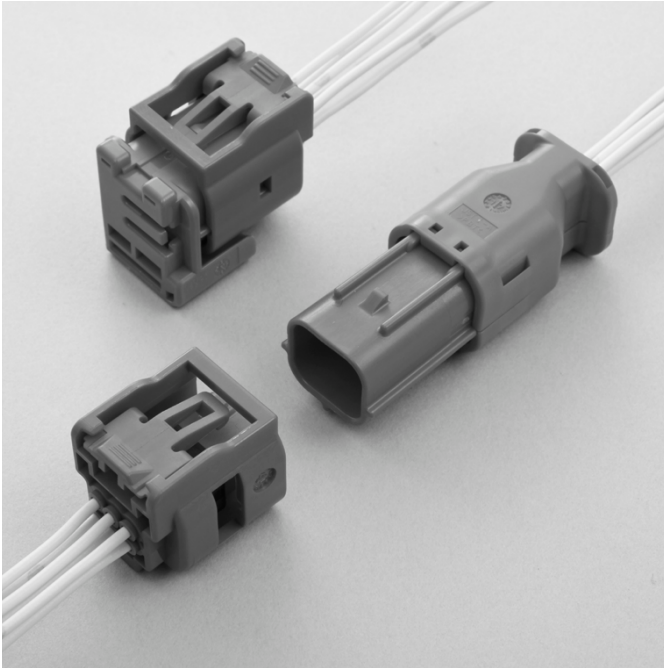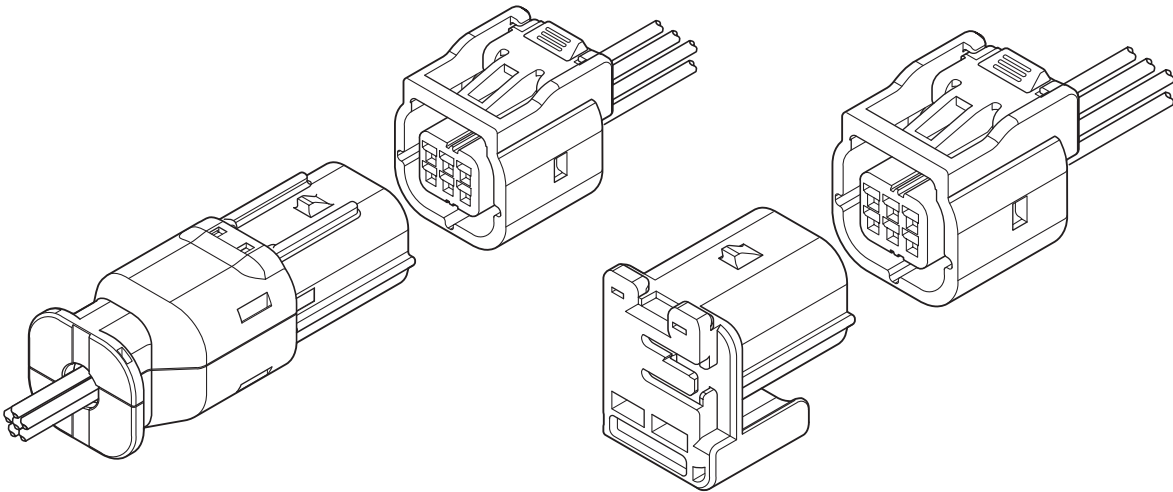
Features

● **Compliant with the ISO19689**
Compliant with the ISO19689 which is the Motorcycle OBD standard connector.

● **Individual Sealed Connector**
Individual sealed connector with 0.64 mm terminal, 3.0 mm X 3.0 mm pitch.

● **Pre-set Retainer**
Simple assemble harnesses, due to there is no necessity to add retainer afterwards.

● **Selectable to the installation direction to the body**
The protection cover is designed to set the connector in a vertical or horizontal direction on a bracket of the body with using a clip structure.

Specifications

• Current rating: 3.5 A DC (*1), 7.5 A DC (*2)
• Temperature range: −40℃ to +105℃
(including temperature rise in applying electrical current)
• Insulation resistance: 100 MΩ min.
• Withstanding voltage: 1,000 VAC/minute
• Applicable wire: AVSS
0.3 mm^2 , 0.5 mm^2

*1. Temperature 20 ± 5℃ (full circuits)
*2. Temperature 20 ± 5℃ (single circuit)

∗ Compliant with ELV/RoHS2.
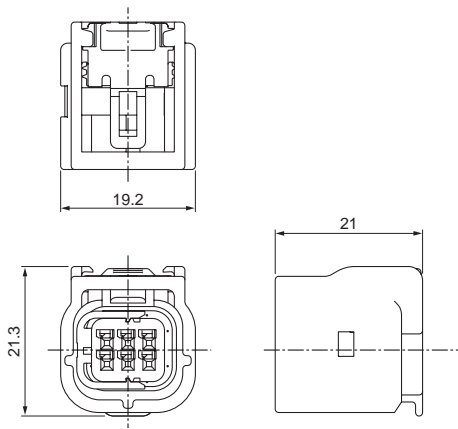∗ Contact JST for details.

Female terminal
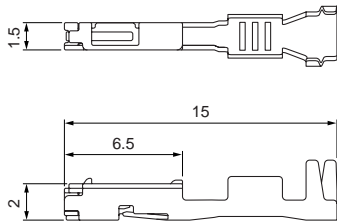
| Model No. | Applicable wire range | | Q'ty/reel |
	Conductor (mm²)	Insulation O.D. (mm)	
SMWTS–A021T–C064	0.3 to 0.5	1.4 to 1.7	5,000
Material and Finish			
Copper alloy, tin–plated (reflow treatment)			

Female connector

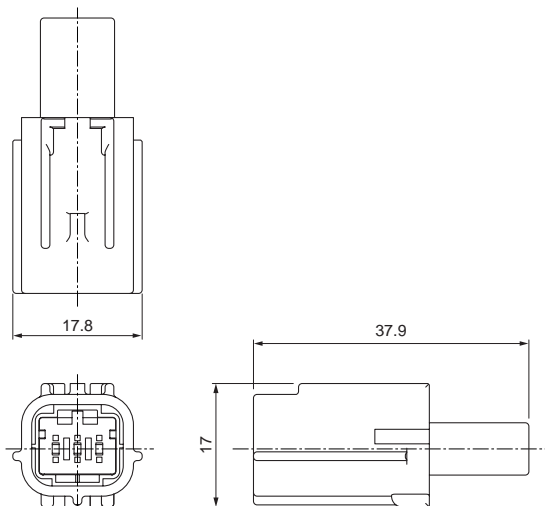| Circuits	Model No.	Q'ty/box
6	**MWTRB–06–1A–R**	750
Material and Finish		
Housing : Glass-filled PBT, Red Retainer: Glass-filled PBT, Black Inner seal: Silicone, Brown		

Male terminal
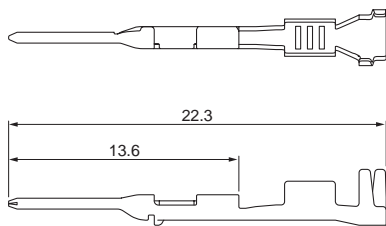
| Model No. | Applicable wire range | | Q'ty/reel |
	Conductor (mm²)	Insulation O.D. (mm)	
SMWTWS–A021T–064	0.3 to 0.5	1.4 to 1.7	5,500
Material and Finish			
Brass, tin–plated (reflow treatment)			

Male connector

Circuits	Model No.	Q'ty/box
6	**MWTPB–06–1A–R**	750
Material and Finish		
Housing: Glass-filled PBT, Red Retainer: PBT, Black		

MWT CONNECTOR

Harness cover
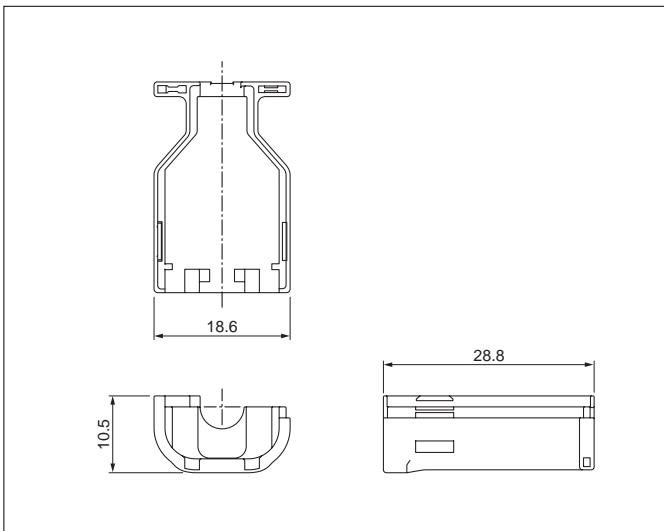
Circuits	Model No.	Q'ty/box
6	**MWTWC–06–1A–R**	1,800
Material and Finish		
PBT, Red		

Wire seal
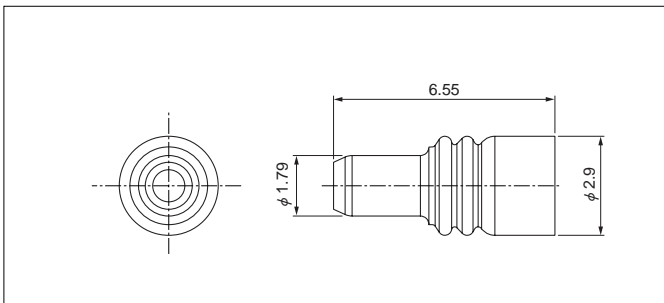
Model No.	Applicable wire range		Q'ty/box
	Conductor (mm^2)	Insulation O.D. (mm)	
A03WS–MWT–N	0.3 to 0.5	1.4 to 1.7	10,000
Material and Finish			
Silicone, Brown			

Dummy plug
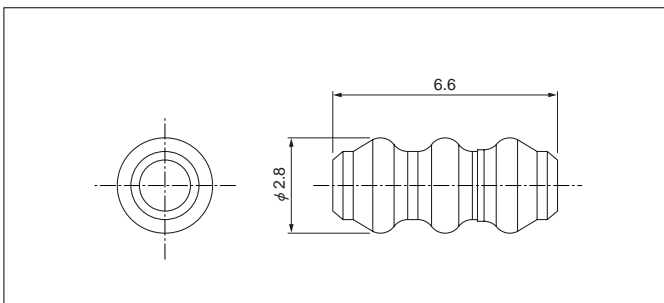
Model No.	Q'ty/box
MWTDPS–1A–DN	10,000
Material and Finish	
Silicone, Dark brown	

Protection cover
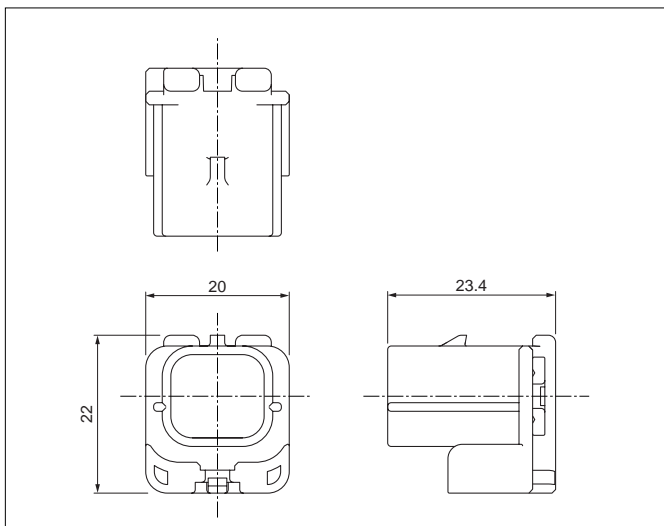
Circuits	Model No.	Q'ty/box
6	**MWTPC–06–1A–R**	750
Material and Finish		
PBT, Red		

Assembly layout

● **Male connector assembly**

(54.4)
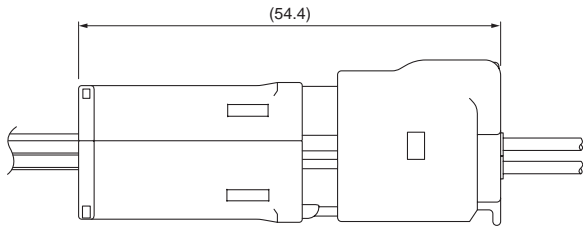
● **Protection cover assembly**

(27.6)

(25.4)

Bracket layout

$10.8 \, ^{0}_{-0.1}$

$3.8 \, ^{\pm0.1}$

$3.5 \, ^{0}_{-0.1}$

$3.5 \, ^{\pm0.1}$

$\geqq 13.8$

$1.6 \, ^{0}_{-0.1}$

$0.6 \, ^{\pm0.1}$
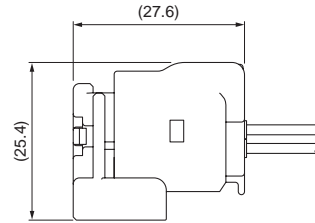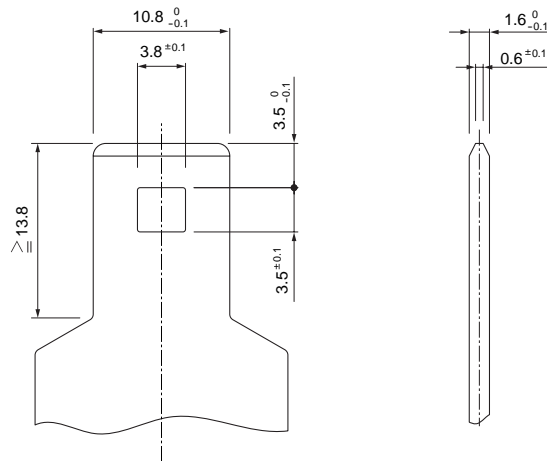
Recommended bracket layout

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SMWTS-A021T-C064	AP-K2N	MK/SMWTS–A021–064	APLMK SMWTS–A021–064
SMWTWS-A021T-064		MK/SMWTWS–A021–064	APLMK SMWTWS–A021–064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.