

This is a space-saving 1.5 mm pitch wire-towire connector that mates with both crimp and IDC type sockets.

The fully shrouded structure is resistant to irregular external forces such as prying during insertion and withdrawal.

- Space saving
- Housing lance system facilitate insertion of contacts and has excellent click feeling
- Both crimp and IDC type sockets can be used
- Shrouded structure withstanding "pry"

# Standards

Recognized E 60389 E:Certified LR 20812

# Specifications

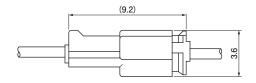
- Current rating: 0.7 A AC/DC (AWG #28)
- Voltage rating: 50 V AC/DC
- Note) Does not comply with Japan Electrical Appliance and Material Safety Law. Since a part of the contact is exposed on the housing lance side of this connector, be careful that the exposed part does not touch metal parts of other components when using this connector.
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance:

Initial value/ 20 m $\Omega$  max.

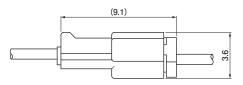
- After environmental tests/ 30 m $\Omega$  max.
- $\bullet$  Insulation resistance: 500  $M\Omega\,$  min.
- Withstanding voltage: There shall be no breakdown or flashover while applying 500 VAC for one minute.
- Applicable wire range: Conductor size/ AWG #30 to #28
- \* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

### Assembly layout

### When mating with ZH

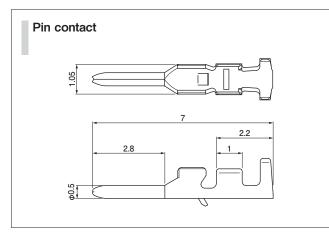


#### When mating with ZR



# **ZM CONNECTOR**

## Plug/ ZM connector



Model No.	Applicable wire range				
WOUEI NO.	Conductor size AWG (mm <sup>2</sup> )	Insulation O.D. (mm)	reel		
SMM-003T-P0.5 #30 to #28 (0.05 to 0.08) 0.7 to		0.7 to 0.9	16,000		
Material and Surface finish, etc.					

Phosphor bronze, tin-plated

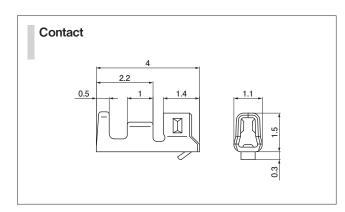
**RoHS2** compliance

#### Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies	
SMM-003T-P0.5	AP-K2N	MKS-L	APLMK SMM003-05	

Note: Contact JST for fully automatic crimping applicator.

## Socket/ Crimp type, ZH connector



Model No.	Applicable wire range				
woder no.	Conductor size	AWG (mm²)	Insulation O.D. (mm)	reel	
SZH-003T-P0.5	#32 to #28 (0.0	032 to 0.08)	0.5 to 0.9	16,000	
Material and Surface finish, etc.					

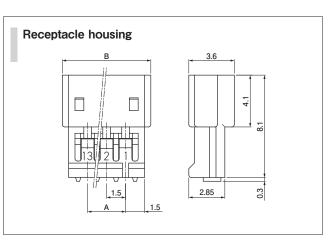
Phosphor bronze, tin-plated

RoHS2 compliance

#### Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SZH-003T-P0.5	AP-K2N	MKS-L	APLMK SZH003-05

Note: Contact JST for fully automatic crimping applicator.

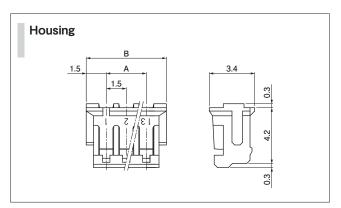


No. of circuits	Model No.	Dimensio	Q'ty/bag		
		A	В	Q ly/bag	
2	ZMR-02	1.5	5.5	2,000	
3	ZMR-03	3.0	7.0	2,000	
9	ZMR-09	12.0	16.0	1,000	
13	ZMR-13	18.0	22.0	1,000	

Material and Surface finish, etc.

PA 66 (Glass-filled), UL94V-0

RoHS2 compliance



No. of circuits	Model No.	Dimensio	O'tu/hag	
		А	В	Q'ty/bag
2	ZHR-2	1.5	4.5	1,000
3	ZHR-3	3.0	6.0	1,000
9	ZHR-9	12.0	15.0	1,000
13	ZHR-13	18.0	21.0	1,000

Material and Surface finish, etc.

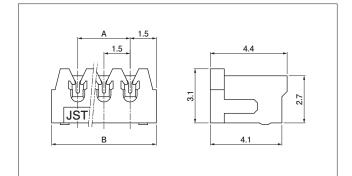
PA 66, UL94V-0

RoHS2 compliance

JST

# **ZM CONNECTOR**

## Socket/ IDC type, ZR connector



No. of	Mode	l No.	Dimensions (mm)		Q'ty/bag	
circuits	For AWG #30	For AWG #28	А	В	Q ly/Dag	
2	02ZR-3H-P	02ZR-8M-P	1.5	4.5	2,000	
3	03ZR-3H-P	03ZR-8M-P	3.0	6.0	2,000	
9	09ZR-3H-P	09ZR-8M-P	12.0	15.0	2,000	
13	13ZR-3H-P	13ZR-8M-P	18.0	21.0	2,000	
	Material and Surface finish, etc.					
Contact: Phosphor bronze, tin-plated						
Housing: PA 66 (Glass-filled), UL94V-0						

RoHS2 compliance