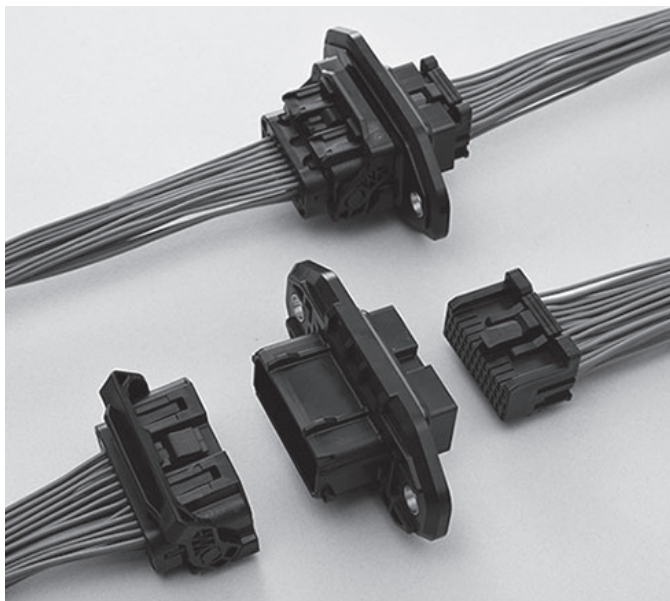


EVZ2CONNECTOR

Wire-to-wire/Panel Mount connector



Features

● 3 pieces structure

The case mounted male connector connects inside and outside of the case with harness.

● Sealed

Only attaching male connector to case body, it ensures waterproof performance.

Double seal structure of surface and shaft seal realizes the strong waterproof property.

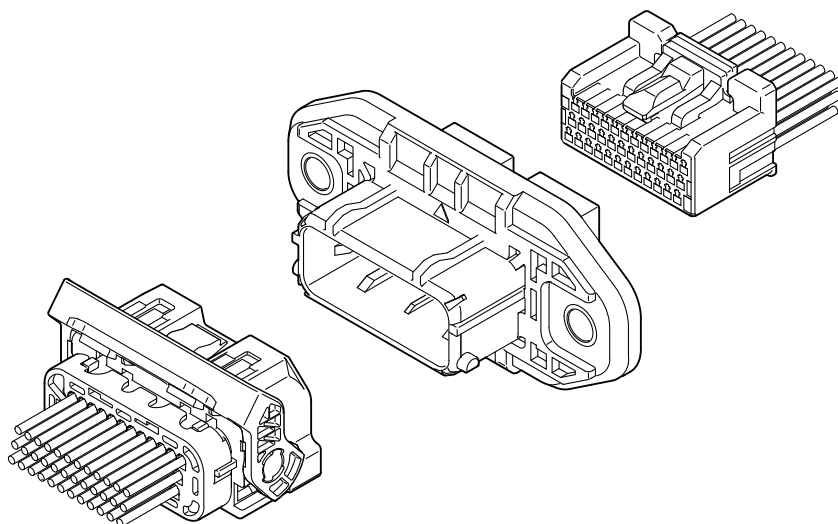
● Variation

Lineup of 10, 27 and 36 circuits.

Terminal plating is selectable from gold-plated or tin-plated.

This connector is wire-to-wire, waterproof panel mount connector.

It is possible to connect inside and outside of the case with harness by mounting male connector to the case.



Specifications

● Current rating: 5 A DC

(0.5 mm², including temperature rise in applying electrical current when individual energized)

● Withstanding voltage: 1,000 VAC/minute

● Temperature range: -40°C to +125°C

(including temperature rise in applying electrical current)

● Contact resistance: Initial value/ 10 mΩ max.

After environmental tests/ 20 mΩ max.

● Insulation resistance: 100 MΩ min.

● Applicable wire: 【Outside waterproof connector】

AESSX/AVSS/AVSSH;

0.5 mm² to 0.85 mm²

※36 circuits can only use 0.3 mm²~

【Inside non-waterproof connector】

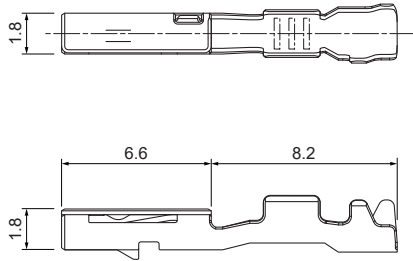
AESSX/AVSS/AVSSH;

0.3 mm² to 0.5 mm²

* Compliant with ELV/RoHS2.

* Contact JST for details.

Female terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SZRO-A021T-M0.64	0.3 to 0.5	1.4 to 1.7	7,500
SZRO-A031T-M0.64	0.75 to 0.85	1.8 to 1.9	7,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

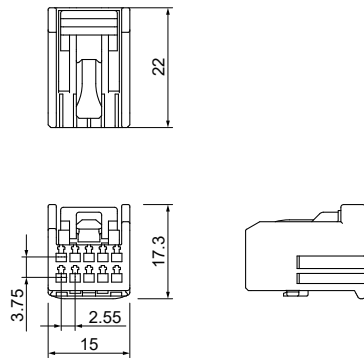
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SWPH-A021GF-M0.64	0.3 to 0.5	1.4 to 1.7	10,000

Material and Finish

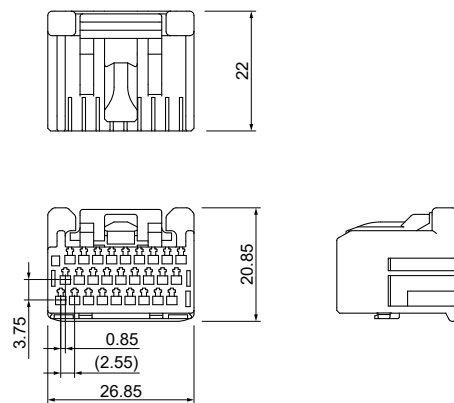
Copper alloy, Contact area; Selective gold-plated
Barrel area; tin-plated

Female connector (Non-waterproof)

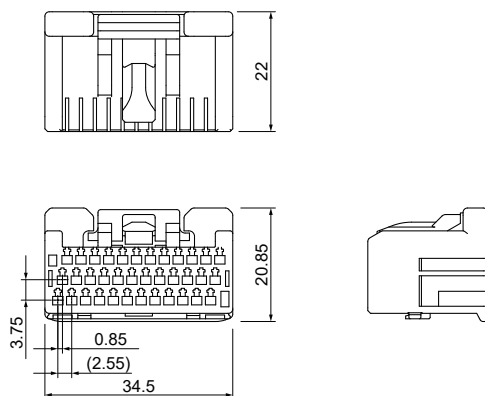
●10 circuits



●27 circuits



●36 circuits



Circuits	Model No.	Key Code	Housing Color	Q'ty/box
10	10EVZ-B-K-2A	A	Black	2,673
	10EVZ-B-H-2B	B	Gray	
27	27EVZ-B-K-2A	A	Black	1,350
36	36EVZ-B-K-2A	A	Black	990

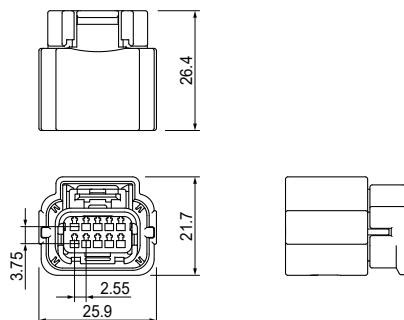
Material and Finish

Housing: Glass-filled PBT

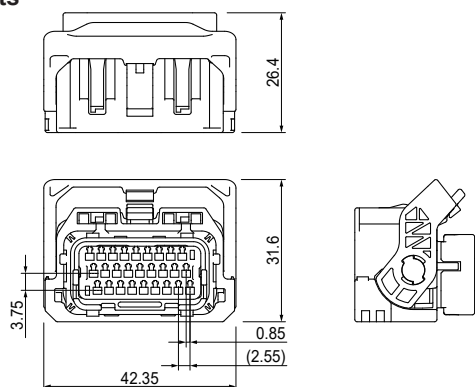
EVZ2 CONNECTOR

Female connector (Waterproof)

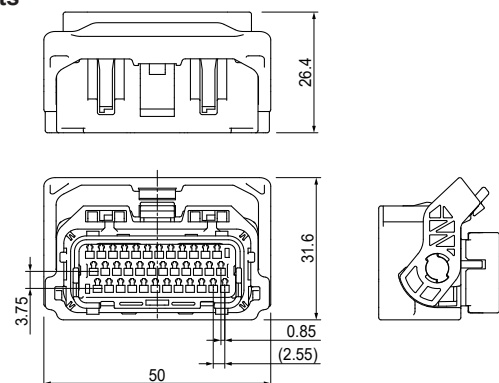
●10 circuits



●27 circuits



●36 circuits



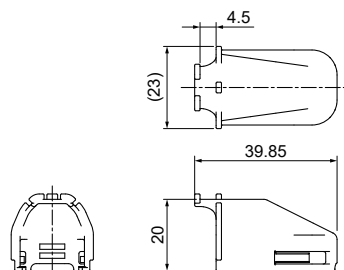
Circuits	Model No.	Key Code	Applicable wire range (mm ²)	Housing Color	Wire seal Color	Q'ty/box
10	10EVZ-B-K-1A	A	0.5 to 0.85	Black	Brown	1,080
	10EVZ-B-H-1B	B		Gray		
27	27ZRO-B-1A	A	0.5 to 0.85	Black	Brown	576
36	36ZRO-B-1A	A	0.5 to 0.85	Black	Brown	512
	36ZRO-B-2A		0.3 to 0.85		Red	512

Material and Finish

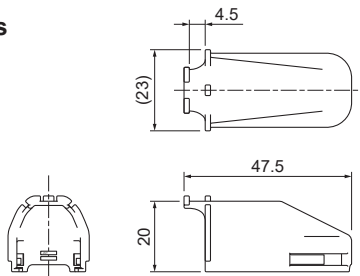
Housing: Glass-filled PBT
Seal: Silicone
Lever: POM

Harness cover

●27circuits



●36 circuits

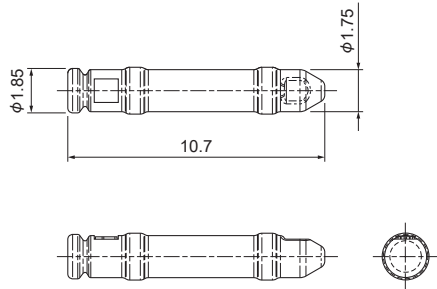


Circuits	Model No.	Housing Color	Q'ty/box
10	No Option		
27	ZROHC-27H-K-1	Black	1,200
36	ZROHC-36H-K-1	Black	900

Material and Finish

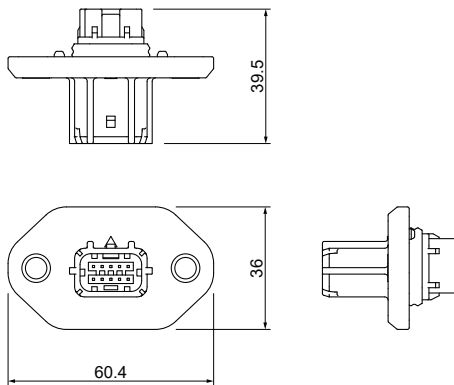
PBT

Dummy plug

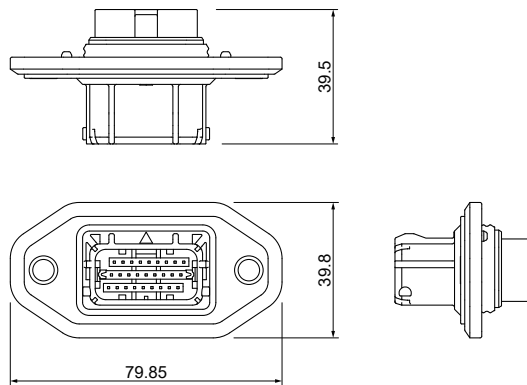


Male connector

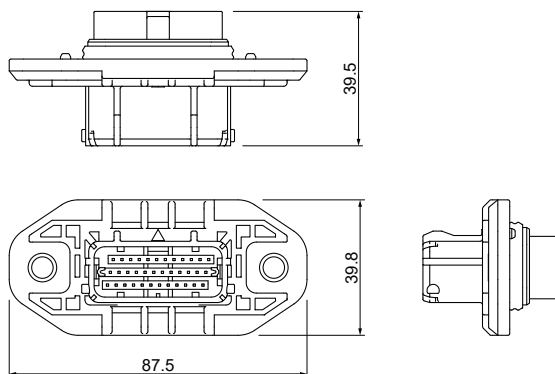
●10 circuits



●27 circuits



●36 circuits



Model No.	Q'ty/box
WPHDP-H-1A-H	7,000
Material and Finish	
PBT, Gray	

Plating	Circuits	Model No.	Key Code	Housing Color	Q'ty/box
Sn	10	BU10B-EVZ2K-2A1	A	Black	100
		BU10B-EVZ2H-2B1	B	Gray	100
	27	BU27B-EVZ2K-2A1	A	Black	75
		BU36B-EVZ2K-2A1	A	Black	120
Au	10	BU10B-EVZ2K-2A3	A	Black	100
		BU10B-EVZ2H-2B3	B	Gray	100
	27	BU27B-EVZ2K-2A3	A	Black	75
		BU36B-EVZ2K-2A3	A	Black	120

Material and Finish

Housing: Glass-filled PBT
 Seal: Silicone
 Bush: Brass
 Male terminal: Brass
 Sn: Tin-plated (reflow treatment)
 Au: Selective gold-plated

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SZRO-A021T-M0.64	AP-K2N	MK/SWPH-A021-064	APLMK SWPH-A021-064
SWPH-A021GF-M0.64			
SZRO-A031T-M0.64		MK/SZRO-A031-064	APLMK SZRO-A031-064

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

JST:

[SWPH-A021GF-M0.64](#) [27EVZ-B-K-2A](#) [BU27B-EVZ2K-2A1](#) [ZROHC-27H-K-1](#)