

HVGW CONNECTOR

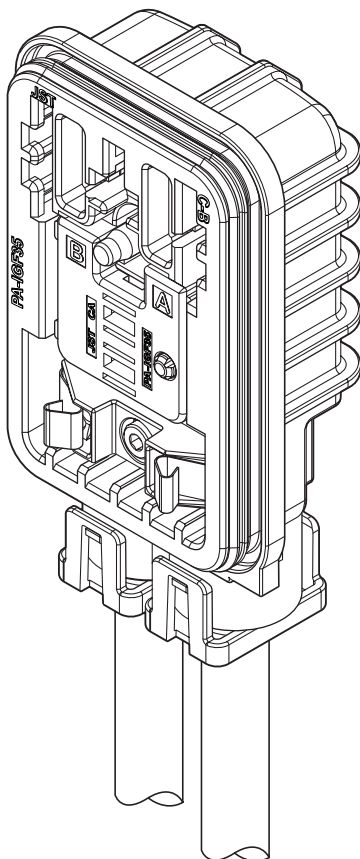
High Current, High Voltage, Shielded, Sealed



2 Circuits 14.5 Sealed, Shielded Connector System.
Designed for high current, high voltage applications in
an Automotive environment.

Features

- 2 circuits: 14.5 terminals
- Sealed, Shielded, High Current, High Voltage Connector
- Over 98% shielding coverage
- HVIL (optional) feature available
- Bolt driven mating design

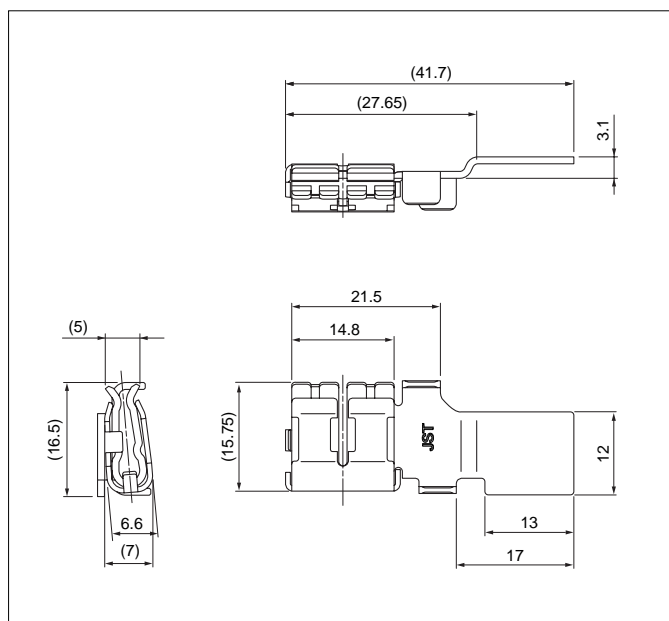


Specifications

- Current rating: 135A DC continuous
- Voltage rating: 300V DC continuous
- Temperature range: -40°C to +125°C
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,600V AC/minute
- Applicable wire: 35mm² Champlain shielded battery cable
Champlain P/N: 15-07603-001 or equivalent

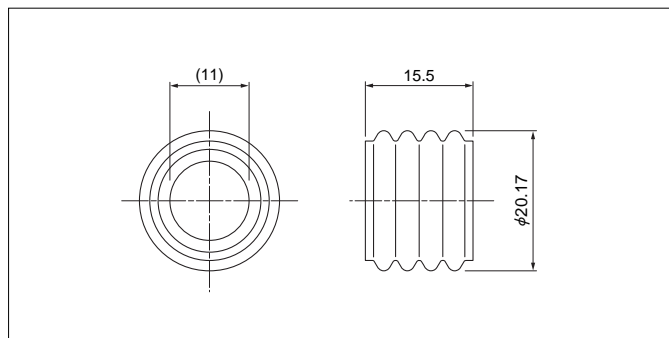
- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal



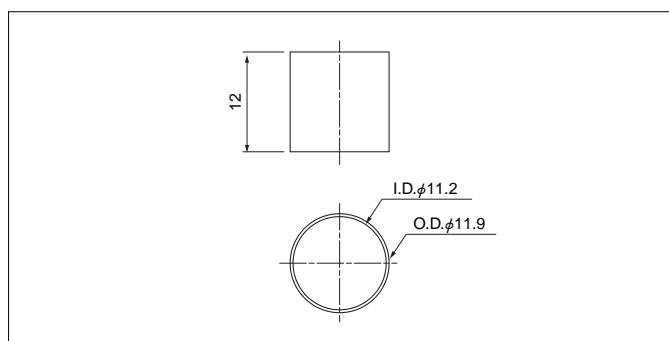
Model No.	Applicable wire range		Q'ty/box
	Conductor (mm ²)	Insulation O.D. (mm)	
AHVG-350B-C1500	35	12.44	200
Material and Finish			
Core terminal; Copper alloy, silver-plated (anti-tarnish treatment)			
Reinforcement; Stainless steel			

Cable seal



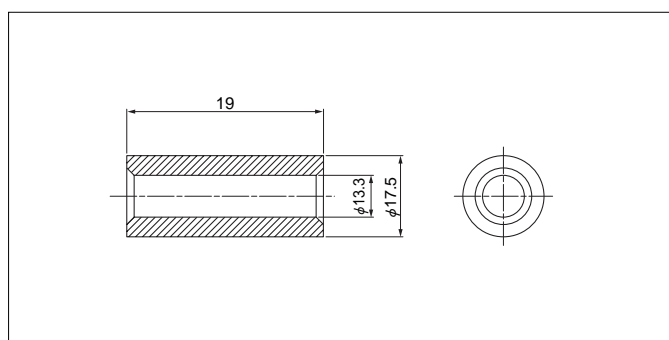
Model No.	Applicable wire range		Q'ty/box
	Conductor (mm ²)	Insulation O.D. (mm)	
HVGW-WS-AM	35	12.44	1,500
Material			
Silicone, green			

Inner ferrule



Model No.	Applicable wire range		Q'ty/box
	Conductor (mm ²)	Insulation O.D. (mm)	
HVGWF-120T-A180	35	10.41	100
Material and Finish			
Copper alloy, tin-plated			

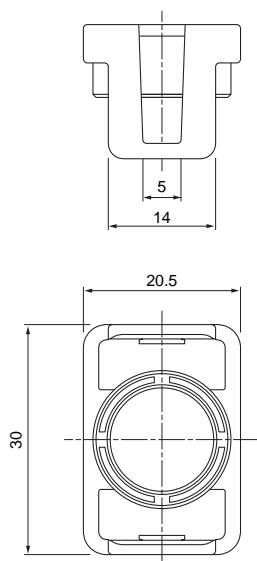
Outer ferrule



Model No.	Applicable wire range		Q'ty/box
	Conductor (mm ²)	Insulation O.D. (mm)	
P-70	35	12.44	50
Material and Finish			
Copper, tin-plated			

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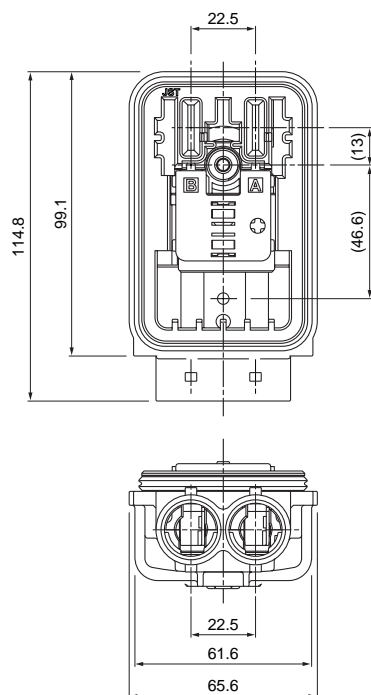
Back cover



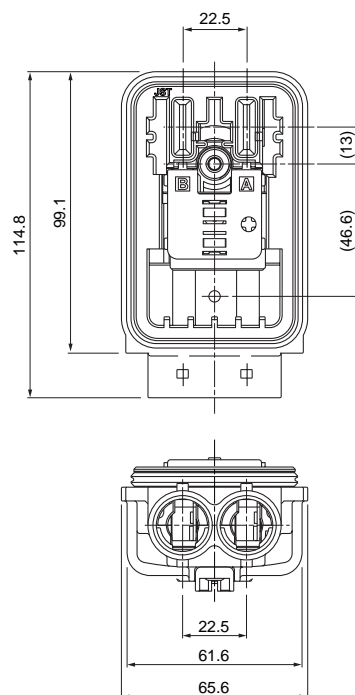
Model No.	Q'ty/box
HVGW-SC-AK	1,500
Material	
Glass-filled PA, black	

Female connector, Sub assembly

• HVGWPB-G02-AD



• HVGWPB-P02-AD (HVIL attachment feature)

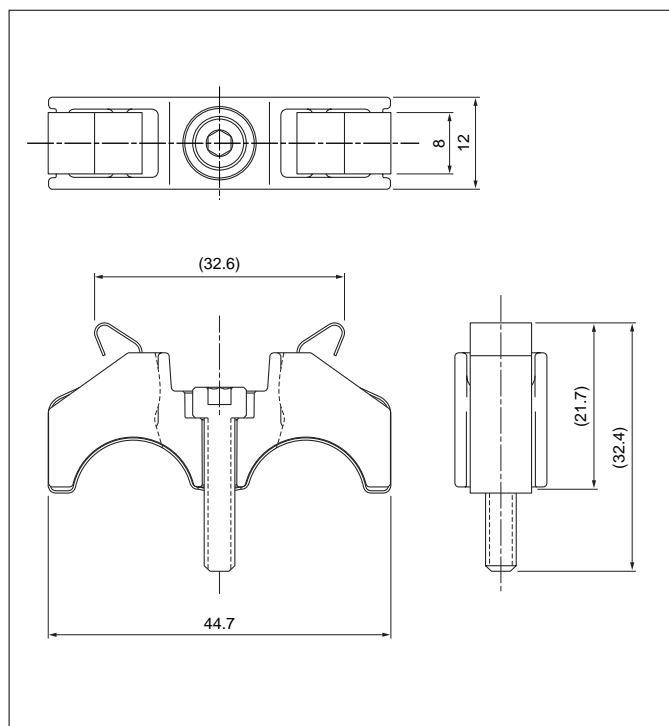


Circuits	Model No.	Q'ty/box	HVIL attachment feature
2	HVGWB-G02-AD	56	No
	HVGWB-P02-AD	56	Yes

Material and Finish

Housing: Glass-filled PA, black
 Shield cover: Aluminium alloy
 M4 bolt: Steel, zinc-plated
 M6 bolt: Steel, zinc-plated
 O-ring: Silicon, red
 Retaining clip: Steel, black
 Ring seal: Silicone, green
 TPA: Glass-filled PA, natural (white)
 HVIL attachment: PBT, black

Yoke assembly



Model No.	Q'ty/box
HVGWB-Y-AS	360
Material	
Yoke block: Zinc alloy	
Yoke spring: Copper alloy, tin-plated	
M4 bolt: Steel, zinc-plated	