



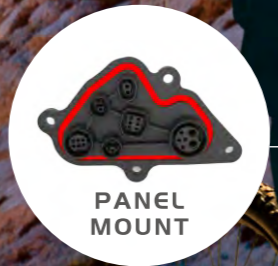
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CONNECTOR FOR E-BIKE 2024 V1.0



SPLITTER



PANEL MOUNT



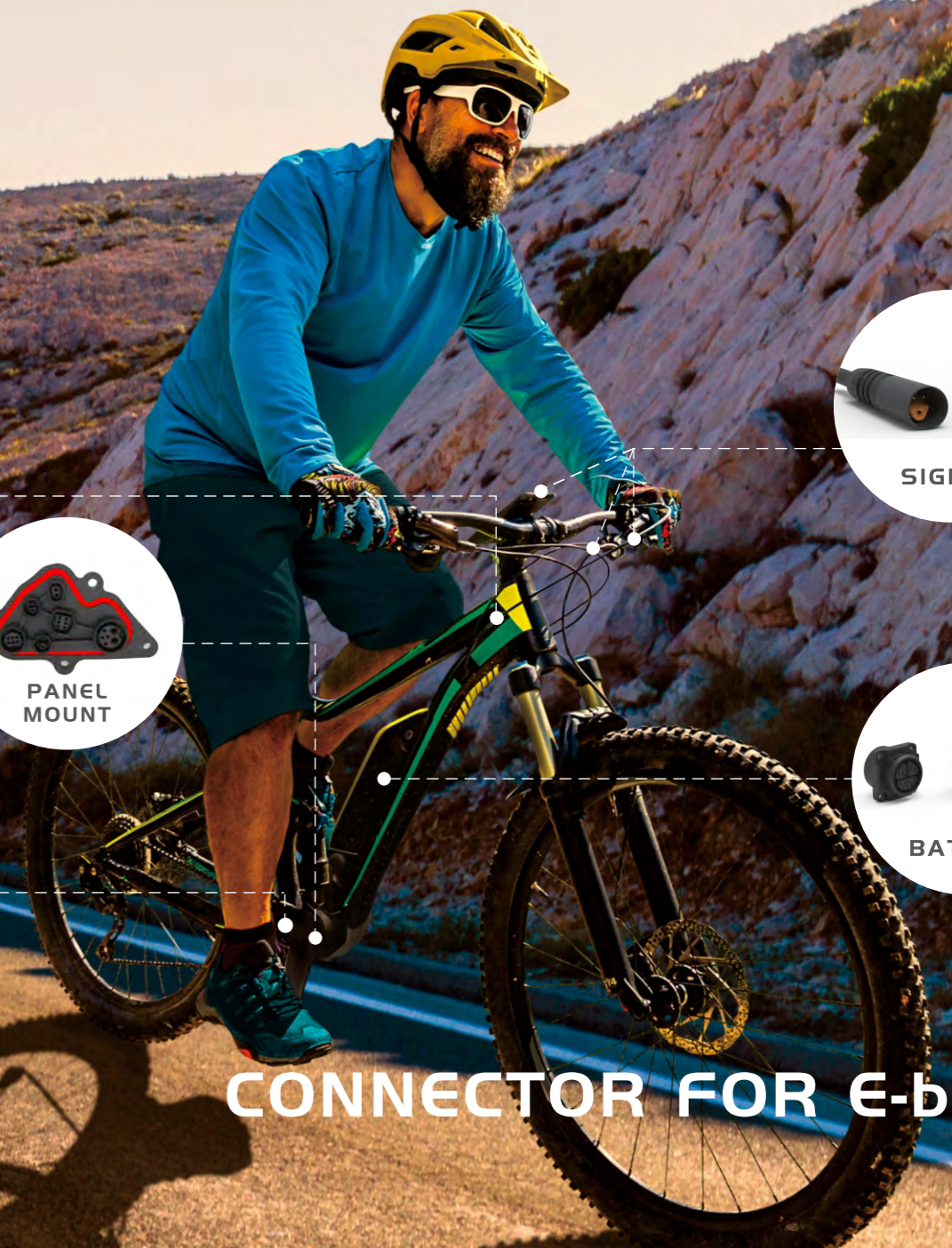
MOTOR



SIGNAL



BATTERY



CONNECTOR FOR E-bike

www.higocon.com



About HIGO

Established in 2008, HIGO set up its operational headquarters in 2020 at High-speed Rail New Town, Suzhou. We are committed to R&D, manufacturing and sales of electronic connectors and harness systems and intelligent displays for intelligent transportation, ocean, and agriculture, ranking highly among this field worldwide.

HIGO has several manufacturing bases in mainland China, and has established branches in Stuttgart (Germany) and Taoyuan (Taiwan). Experiencing years of development, HIGO has been accredited as “High-tech Enterprise of Jiangsu Province,” “Private Enterprise Specialized in Science and Technology of Jiangsu Province,” “Industrial Design Centre of Suzhou,” and “Engineering Technology Centre of Suzhou.”, and has won the trust of over 1000 customers in more than 20 countries around the world, occupying a significant share of the mid-to-high-end market.

Based on the connection, HIGO will build up core competitiveness by adhering to the concept of sustainable development, creating a global enterprise with wisdom, ideal and vitality. We aim to connect the world and the future with more intelligent products and services.

International Certification

In order to improve product quality and enhance enterprise competitiveness, Higo is committed to creating products and services that exceed customer expectations. Through quality management system certification, it achieves standardized management, continuous improvement, and risk cost reduction, thereby gaining an advantage in market competition. At present, our company has passed the following quality management system certifications:

UL is the abbreviation of Underwriter Laboratories Inc. UL Safety Laboratory is the most authoritative in the United States and the world's largest private institute engaged in safety testing and certification.

IATF 16949 certification is an international quality management system standard for the automotive industry. The certification requires companies to establish and implement a quality management system that meets the requirements of the global automotive industry to ensure that the quality of products and services meets high standards.

ISO 45001 is an international standard for occupational health and safety management systems. Organizations certified to this standard demonstrate that they have established an effective management system that identifies and controls risks related to employee health and safety, thereby providing a safe working environment for employees.

ISO14001 certification, known as ISO14001 Environmental Management System Certification, is a conformity assessment activity carried out by a third-party certification body according to the ISO14001 standard. The purpose of this system certification is to help organizations achieve standardization and normalization of environmental management, improve their environmental performance, and reduce negative impacts on the environment.

ISO9001 certification is a quality management system certification that is widely used worldwide. It is an international standard designed to help companies establish and maintain a quality management system that meets international standards.



Serial Numbers

BATTERY

HG	-	F . B	-	*	[]	[]	*
HIGO		WATERPROOF BATTERY		MATING TYPE	POLE	OUTER DIAMETER	SERIES
				Z (PUSH ON)	02-15	05-99	A-Z
				L (SCREW-LOCKING)			
				S (SELF-LOCKING)			
				F (FLEXIBLE STRUCTURE)			

MOTOR

HG	-	F . M	-	*	[]	[]	*
HIGO		WATERPROOF MOTOR		MATING TYPE	POLE	OUTER DIAMETER	SERIES
				Z (PUSH ON)	02-15	05-99	A-Z
				L (SCREW-LOCKING)			

SIGNAL

HG	-	F . S	-	*	[]	[]	*
HIGO		WATERPROOF SIGNAL		MATING TYPE	POLE	OUTER DIAMETER	SERIES
				Z (PUSH ON)	02-15	05-99	A-Z
				L (SCREW-LOCKING)			
				S (SELF-LOCKING)			

SPLITTER

HG	-	F . T	-	[]	T	[]	*
HIGO		WATERPROOF SPLITTER		MAIN CABLE	SPLITTER	AUXILIARY CABLE	SERIES
				1-9		1-9	A-Z

Product Catalog


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HG-F.B-Z212A

BATTERY

Electrical Characteristics

Rated Voltage	48V AC
Rated Current	8A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

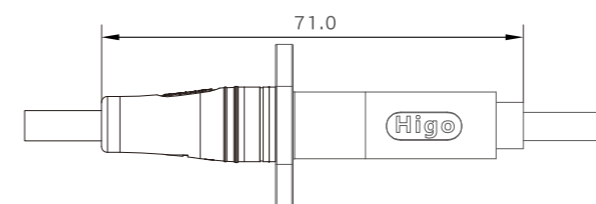
Mating Cycles	3000 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 80N max Unmating force: 20N min

Environment Characteristics

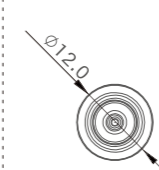
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

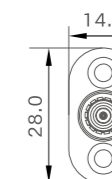
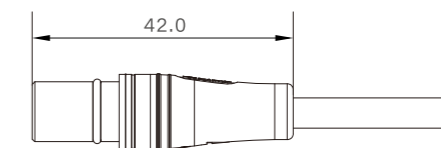
Maximum Diameter	12.0mm
Mating Length	71.0mm
Contact Material	Copper alloy plated with tin
Cable Spec.	OD:5.2mm,2×18AWG-PVC



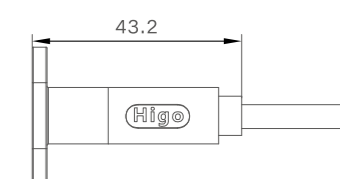
Mating Size



Male Size



Female Size



HG-F.B-Z311A



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	Power 8A Signal 5A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

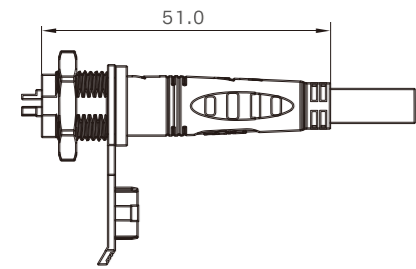
Mating Cycles	3000 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 80N max Unmating force: 10N min

Environment Characteristics

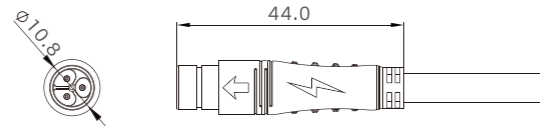
Protection Level	IP66
Operation Temperature	-25°C~+80°C

Other Specification

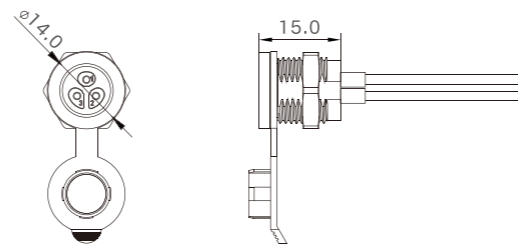
Maximum Diameter	10.8mm
Mating Length	51.0mm
Contact Material	Copper alloy plated with tin
Cable Spec.	OD:5.2mm,2×18AWG+24AWG-PVC



Mating Size



Male Size



Female Size

HG-F.B-Z409E



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 15A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

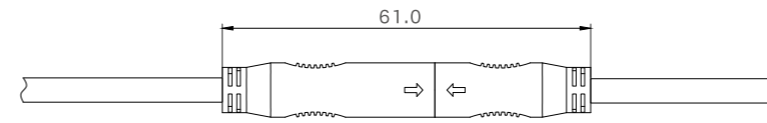
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 80N max Unmating force: 30N min

Environment Characteristics

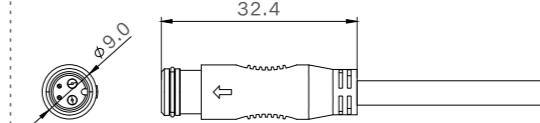
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

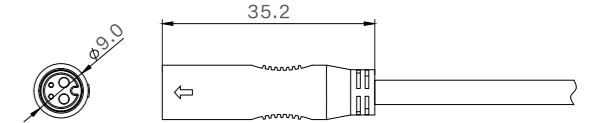
Maximum Diameter	9.0mm
Mating Length	61.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:5.5mm,2×1.0mm ² +2×0.14mm ² -PVC ②:OD:4.0mm,2×22AWG+2×24AWG ③:OD:5.5mm,2×1.0mm ² +2×0.14mm ² -TPU



Mating Size



Male Size



Female Size

HG-F.B-Z610C

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 15A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 80N max Unmating force: 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	9.2mm
Mating Length	59.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:5.5mm,2×1.5mm ² +4×0.14mm ² -PVC ②:OD:5.5mm,2×16AWG+4×26AWG-PVC



HG-F.B-Z913C

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 15A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

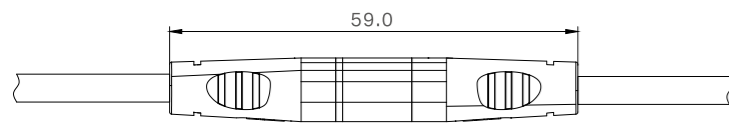
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 80N max Unmating force: 30N min

Environment Characteristics

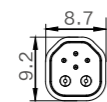
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

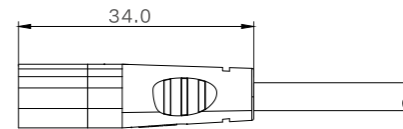
Maximum Diameter	13.0mm
Mating Length	71.1mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:5.8mm,2×1.5mm ² +7×0.14mm ² -PVC



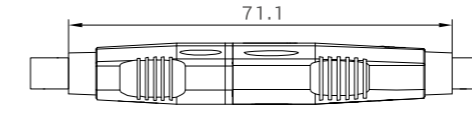
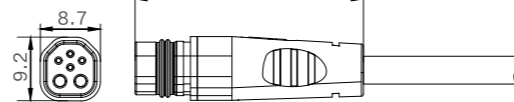
Mating Size



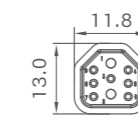
Male Size



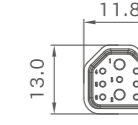
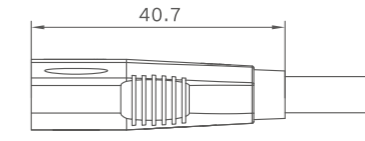
Female Size



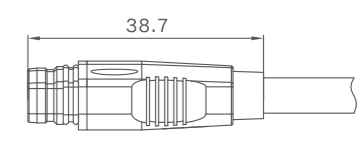
Mating Size



Male Size



Female Size



HG-F.B-L513A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 20A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

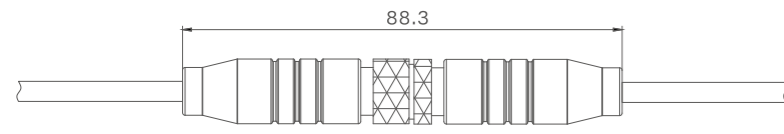
Mating Cycles	200 cycles
Mating Type	Screw-locking

Environment Characteristics

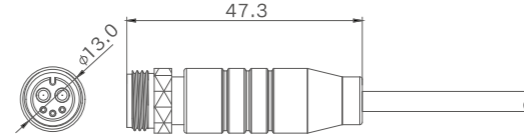
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

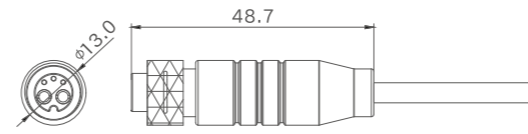
Maximum Diameter	13.0mm
Mating Length	88.3mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①OD:6.1mm,2×2.0mm ² +3×0.2mm ² -PVC ②OD:6.1mm,2×1.5mm ² +3×0.2mm ² -PVC



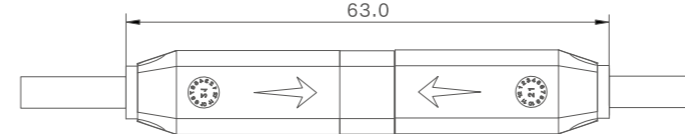
Mating Size



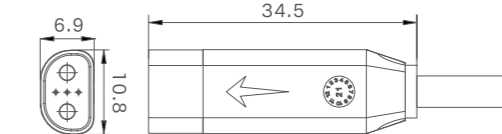
Male Size



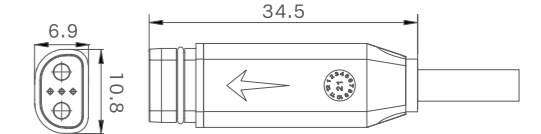
Female Size



Mating Size



Male Size



Female Size

HG-F.B-Z511B



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 20A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	11.0mm
Mating Length	63.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:5.8mm,2×2.0mm ² +3×0.14mm ² -PVC

HG-F.B-Z610B



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 20A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

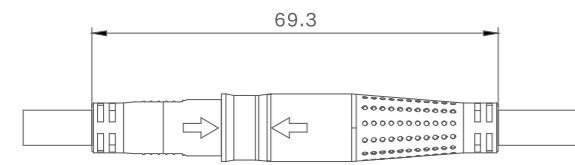
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

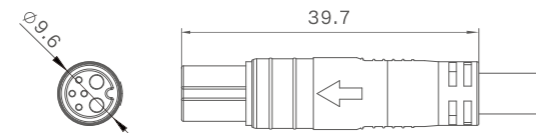
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

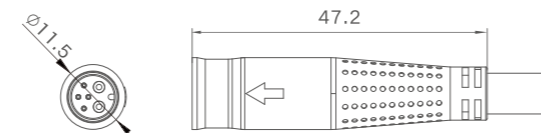
Maximum Diameter	10.0mm
Mating Length	69.3mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:6.0mm,2×2.0mm ² +4×0.14mm ² -PVC



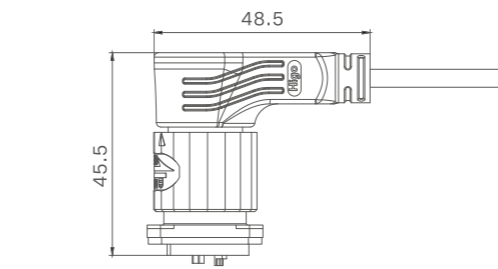
Mating Size



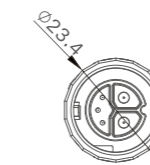
Male Size



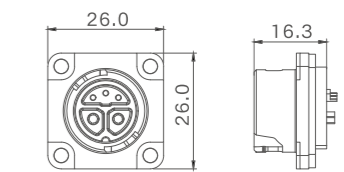
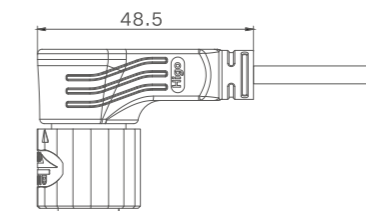
Female Size



Mating Size

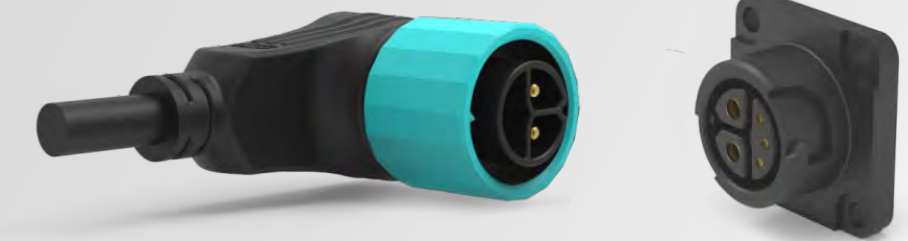


Male Size



Female Size

HG-F.B-S526A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 25A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	26.0mm
Mating Length	45.5mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:6.0mm,2×2.0mm ² +3×0.2mm ² -PVC

HG-F.B-Z718A

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 25A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	3000 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	18.0mm
Mating Length	56.5mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:6.8mm,2×2.5mm ² +5×0.2mm ² -PVC



HG-F.B-Z728A

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 25A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

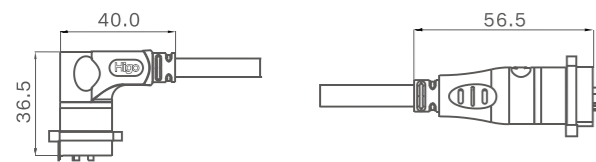
Mating Cycles	3000 cycles
Mating Type	Magnetic

Environment Characteristics

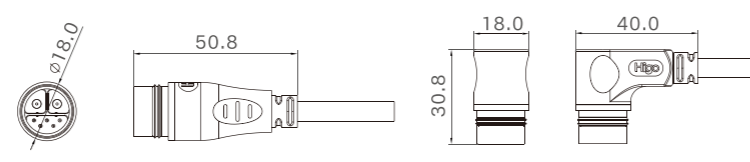
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

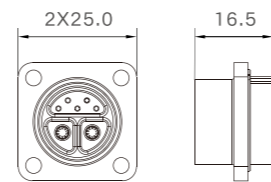
Maximum Diameter	28.5mm
Mating Length	55.4mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:8.0mm,2×2.5mm ² +5×0.34mm ² -PVC



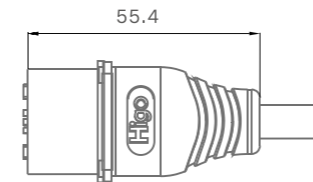
Mating Size



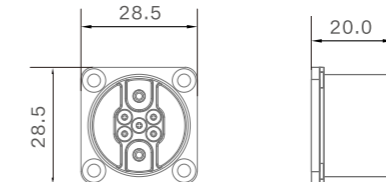
Male Size



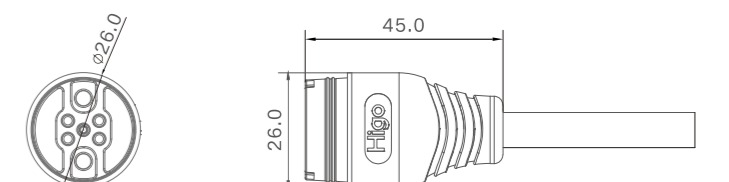
Female Size



Mating Size



Male Size



Female Size

HG-F.B-S828A

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 25A+12A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	28.0mm
Mating Length	52.2mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:8.0mm,2×2.5AWG+4×0.20-PVC



HG-F.B-F618A

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 30A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

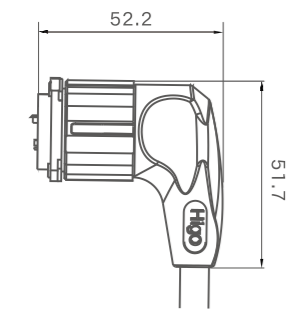
Mating Cycles	3000 cycles
Mating Type	Flexible Structure
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

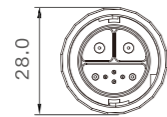
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

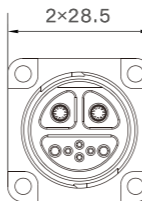
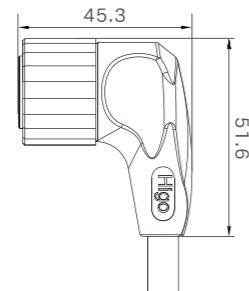
Maximum Diameter	17.5mm
Mating Length	51.5mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:8.0mm,2×3.3mm ² +4×0.2mm ² -PVC



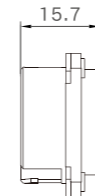
Mating Size



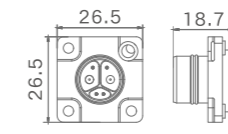
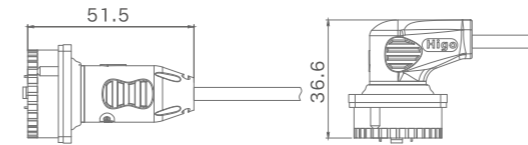
Male Size



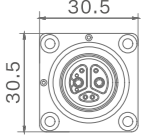
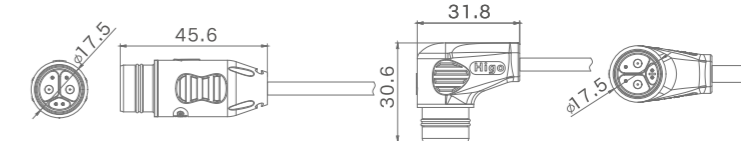
Female Size



Mating Size



Male Size



Female Size



HG-F.B-F621A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 30A Signal 5A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

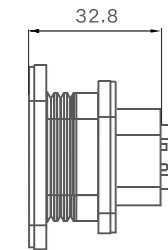
Mating Cycles	3000 cycles
Mating Type	Flexible Structure
Mating and Unmating Force	Mating force: 80N max Unmating force: 30N min

Environment Characteristics

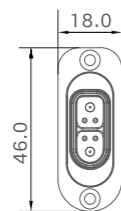
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

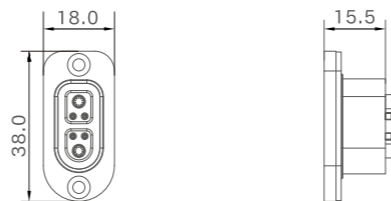
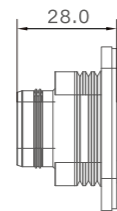
Maximum Diameter	21.0mm
Mating Length	32.8mm
Contact Material	Copper alloy plated with silver
Cable Spec.	① OD:4.0mm,3.0mm ² -AGR ② OD:1.4mm,0.2mm ² -PVC



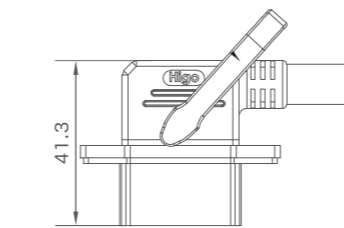
Mating Size



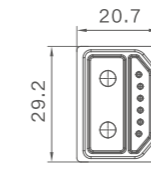
Male Size



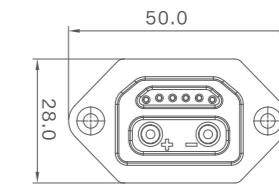
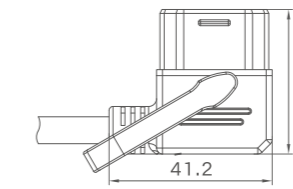
Female Size



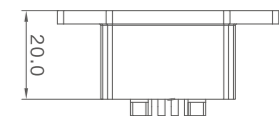
Mating Size



Male Size



Female Size



HG-F.B-Z850A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 30A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 80N max Unmating force: 30N min

Environment Characteristics

Protection Level	N/A
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	50.0mm
Mating Length	47.0mm
Contact Material	Copper alloy plated with nickel
Cable Spec.	OD:10.0mm,2×4.0mm ² +6×0.2mm ² -PVC

HG-F.B-S820A

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 40A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

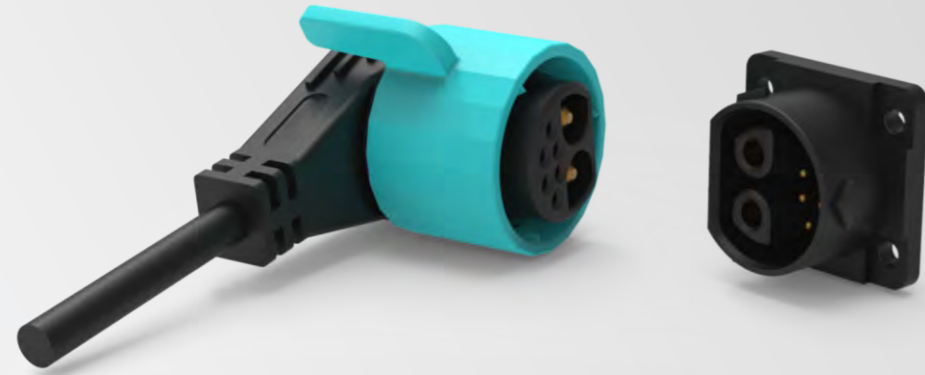
Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	30.8mm
Mating Length	45.4mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:8.5mm,2×4.0mm ² +6×0.2mm ² -PVC



HG-F.B-Z1358A

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 30A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

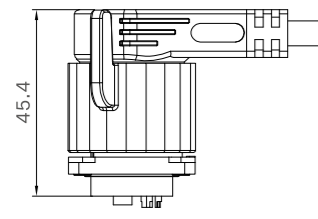
Mating Cycles	3000 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

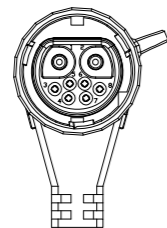
Protection Level	N/A
Operation Temperature	-25°C~+80°C

Other Specification

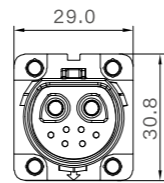
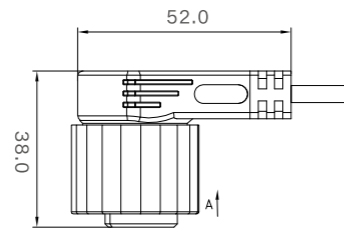
Maximum Diameter	58.0mm
Mating Length	25.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:5.0mm,4.0mm ² ②:OD:1.1mm,0.2mm ²



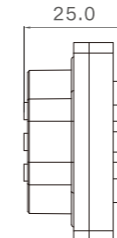
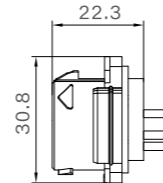
Mating Size



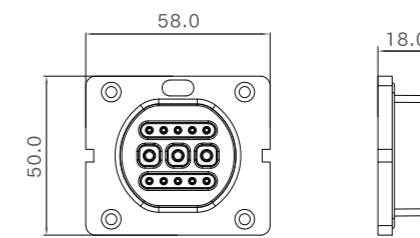
Male Size



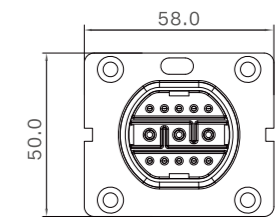
Female Size



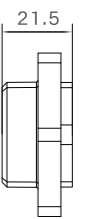
Mating Size



Male Size



Female Size



HG-F.B-L615A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 40A Signal 5A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

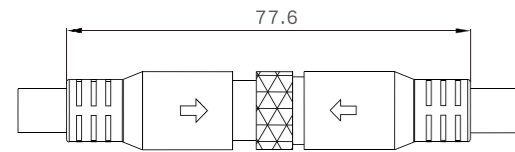
Mating Cycles	200 cycles
Mating Type	Screw-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

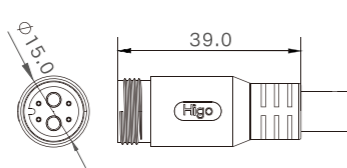
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

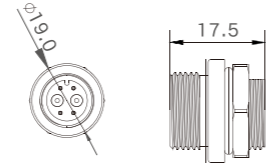
Maximum Diameter	15.0mm
Mating Length	77.6mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:8.5mm,2×4.0mm ² +4×0.2mm ² -PVC



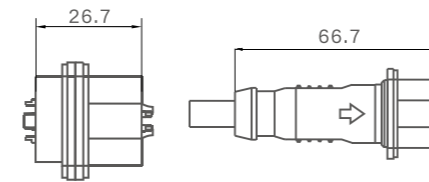
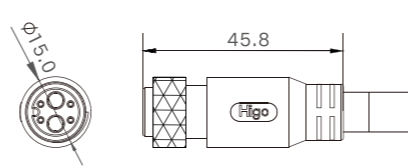
Mating Size



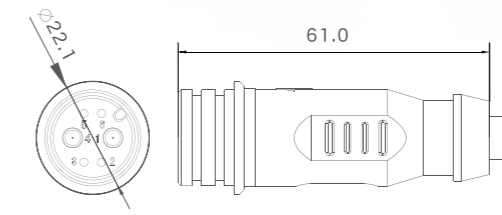
Male Size



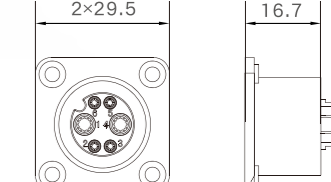
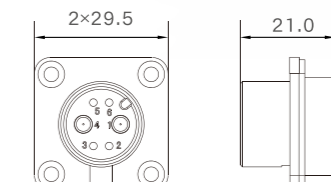
Female Size



Mating Size



Male Size



Female Size

HG-F.B-Z622A

Rated Voltage	60V AC
Rated Current	Power 40A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	3000 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	22.0mm
Mating Length	66.7mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:8.5mm,2×4.0mm ² +4×0.34mm ² -PVC



HG-F.B-Z624A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 40A Signal 5A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

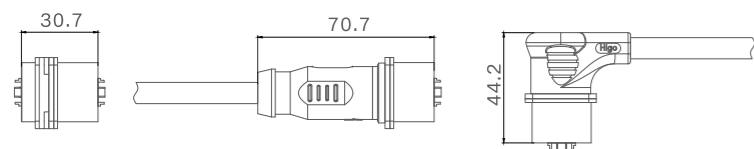
Mating Cycles	3000 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 100N max Unmating force: 30N min

Environment Characteristics

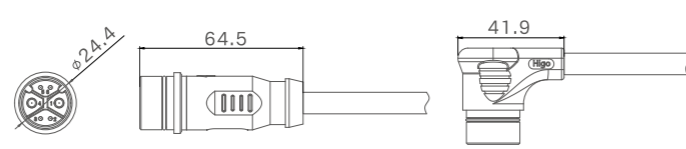
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

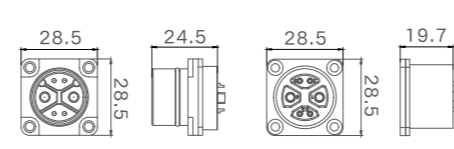
Maximum Diameter	24.0mm
Mating Length	70.7mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:8.5mm,2×4.0mm ² +4×0.34mm ² -PVC



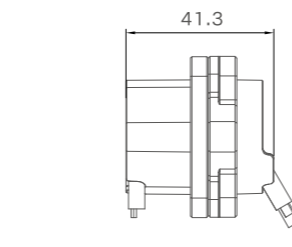
Mating Size



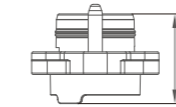
Male Size



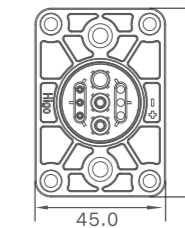
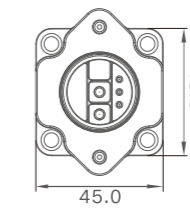
Female Size



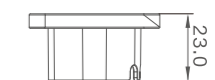
Mating Size



Male Size



Female Size



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 40A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	3000 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 100N max Unmating force: 30N min

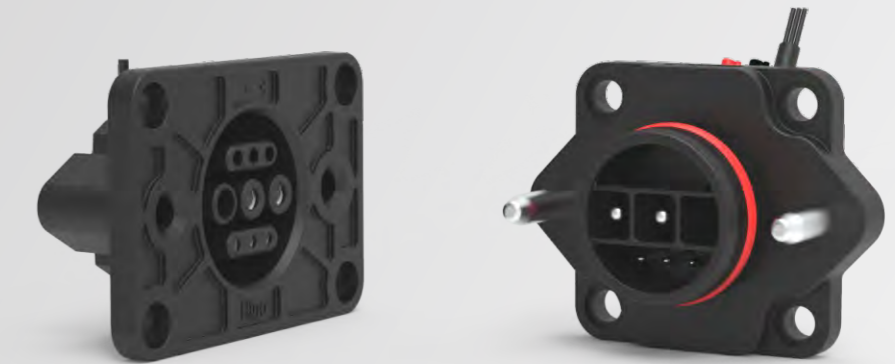
Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

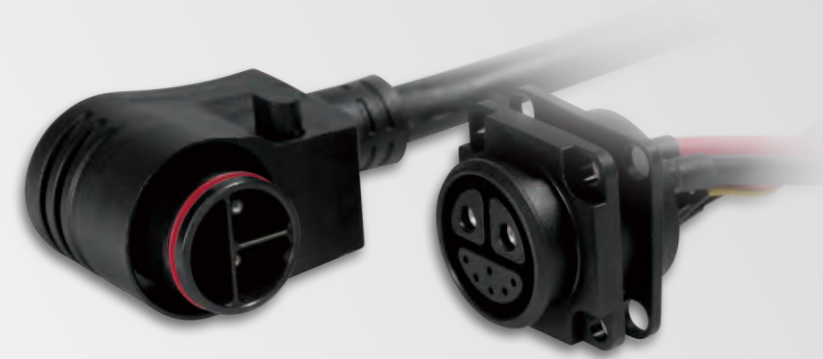
Other Specification

Maximum Diameter	65.0mm
Mating Length	41.3mm
Contact Material	Copper alloy plated with silver
Cable Spec.	①:OD:5.3mm,5.0mm ² ②:OD:1.4mm,0.2mm ²

HG-F.B-Z960A



HG-F.B-S824B



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 40A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	28.5mm
Mating Length	43.3mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:9.0mm,2×4.0mm ² +6×0.20mm ² -PVC

HG-F.B-S828B



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 50A+12A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

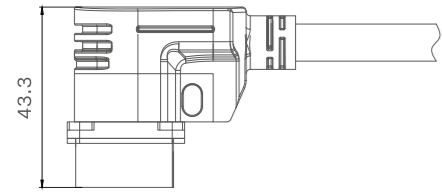
Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

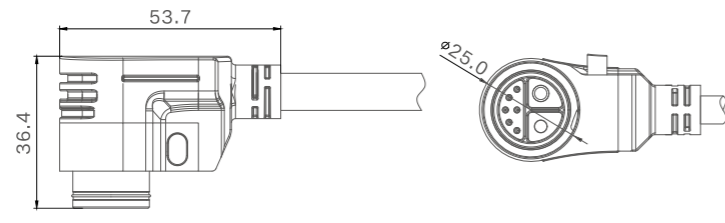
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

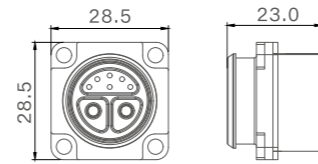
Maximum Diameter	28.0mm
Mating Length	76.9mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:10.0mm,2×10AWG+1×18AWG+5×22AWG-PVC



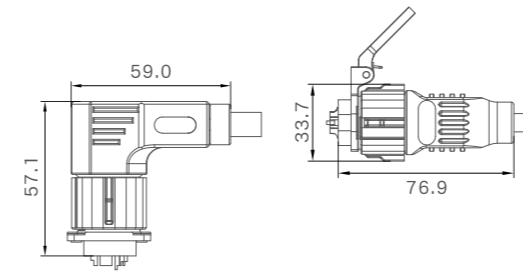
Mating Size



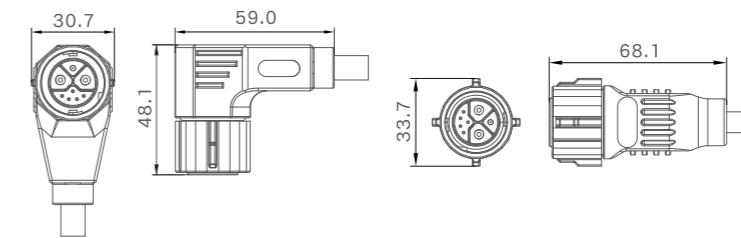
Male Size



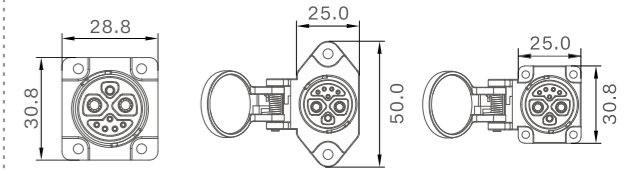
Female Size



Mating Size



Male Size



Female Size

HG-F.B-S828-B2

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 70A+12A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	28.1mm
Mating Length	54.5mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:13.8mm,2×10.0mm ² +1×16AWG+5×22AWG-PVC



HG-F.B-S824E

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 70A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

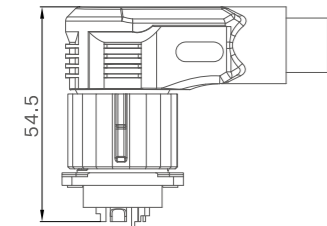
Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

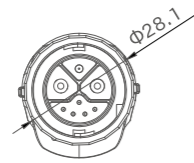
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

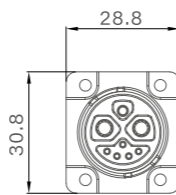
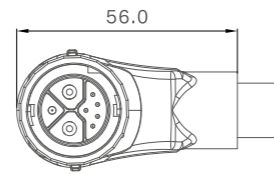
Maximum Diameter	27.5mm
Mating Length	46.4mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:13.6mm,2×10.0mm ² +6×0.2mm ² -PVC



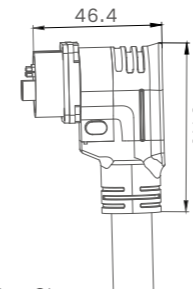
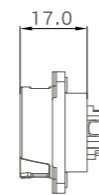
Mating Size



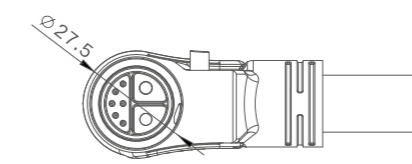
Male Size



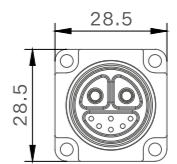
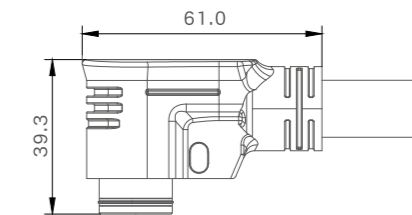
Female Size



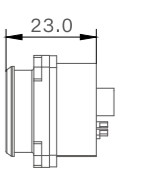
Mating Size



Male Size



Female Size



HG-F.B-Z822A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 25A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

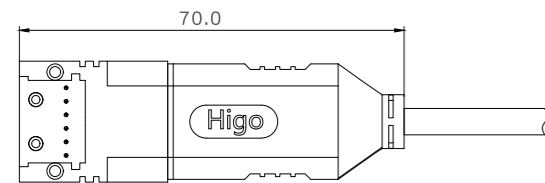
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N Max Unmating force : 30N Min

Environment Characteristics

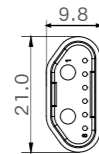
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

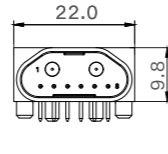
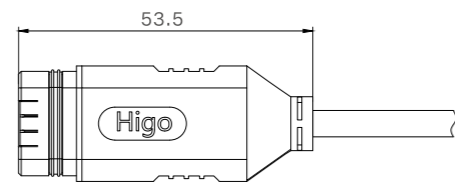
Maximum Diameter	22.0mm
Mating Length	70.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:9.0mm,2×12AWG+6×24AWG-PVC



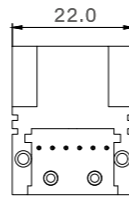
Mating Size



Male Size



Female Size



HG-F.B-S1340A



Electrical Characteristics

Rated Voltage	110V AC
Rated Current	Elbow current 100A+25A Signal 5A Straight head current 40A Signal 5A
Withstanding Voltage	1000V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

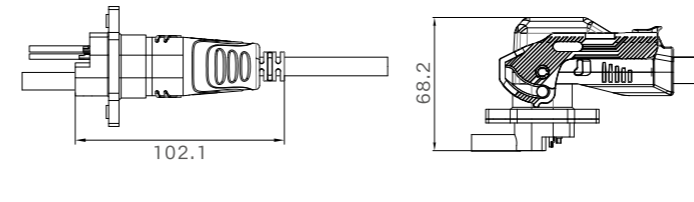
Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 100N max

Environment Characteristics

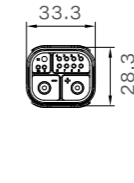
Protection Level	IP67
Operation Temperature	-30°C~+105°C

Other Specification

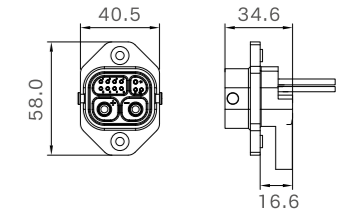
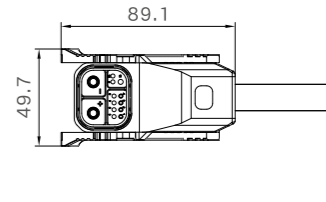
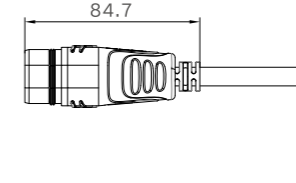
Maximum Diameter	40.5mm
Mating Length	102.1mm
Contact Material	Copper alloy plated with silver
Cable Spec.	①OD:18.0mm,2×16.0mm ² +1×2.5mm ² +10×0.5mm ² -PVC ②OD:9.1mm,2×4.0mm ² +1×2.5mm ² +10×0.5mm ² -PVC



Mating Size

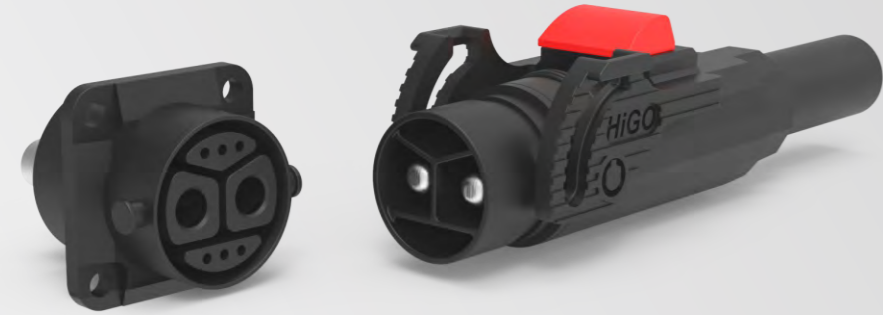


Male Size



Female Size

HG-F.B-S835A



Electrical Characteristics

Rated Voltage	110V AC
Rated Current	Power 100A Signal 5A
Withstanding Voltage	1000V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

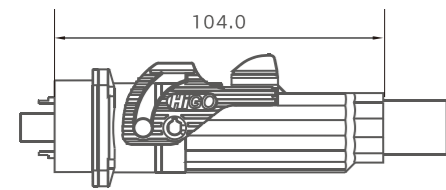
Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

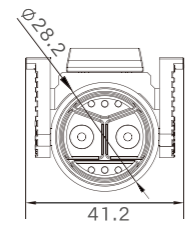
Protection Level	IP67
Operation Temperature	-30°C~+105°C

Other Specification

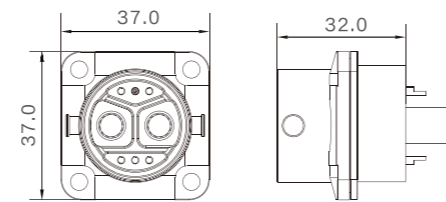
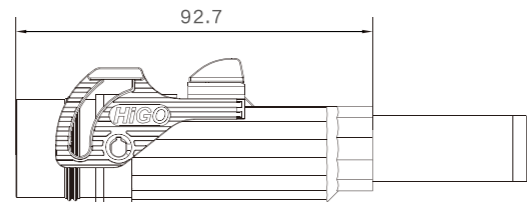
Maximum Diameter	35.0mm
Mating Length	104.0mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:17mm,2x16mm ² +6x0.5mm ² -PVC



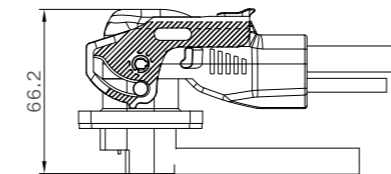
Mating Size



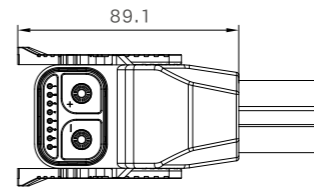
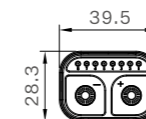
Male Size



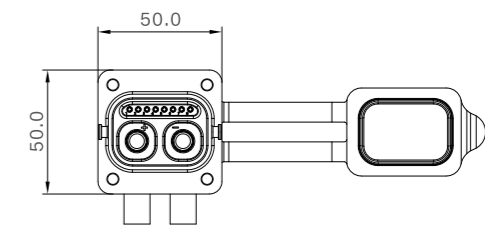
Female Size



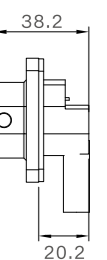
Mating Size



Male Size



Female Size



HG-F.B-S1050A



Electrical Characteristics

Rated Voltage	110V AC
Rated Current	Power 150A Signal 5A
Withstanding Voltage	1000V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	3000 cycles
Mating Type	Self-locking
Mating and Unmating Force	Mating force : 100N Max

Environment Characteristics

Protection Level	IP67
Operation Temperature	-30°C~+105°C

Other Specification

Maximum Diameter	50.0mm
Mating Length	66.2mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:2x25.0mm ² +8x0.5mm ² -PVC

2

MOTOR

HG-F.M-Z310D	32
HG-F.M-Z910A	33
HG-F.M-Z913B	34
HG-F.M-Z1012B	35
HG-F.M-L1114A	36
HG-F.M-Z1115A	37
HG-F.M-L1115B	38
HG-F.M-Z1125A	39
HG-F.M-L1019A	40
HG-F.M-L1019D	41



HG-F.M-Z310D

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 15A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

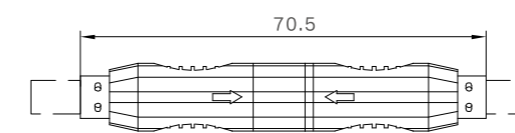
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N Max Unmating force : 30N Min

Environment Characteristics

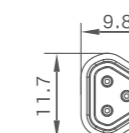
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

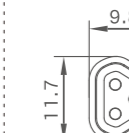
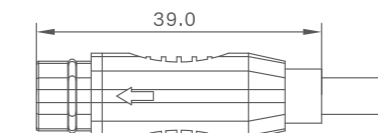
Maximum Diameter	11.7mm
Mating Length	70.5mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:5.0mm,3×1.2mm ² -PVC



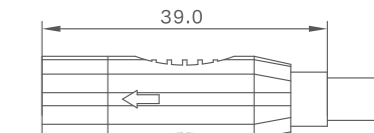
Mating Size



Male Size



Female Size



HG-F.M-Z910A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 15A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

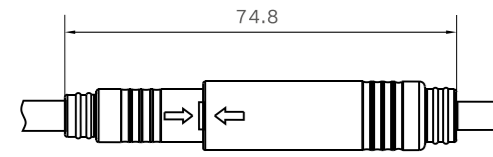
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 100N max Unmating force: 50N min

Environment Characteristics

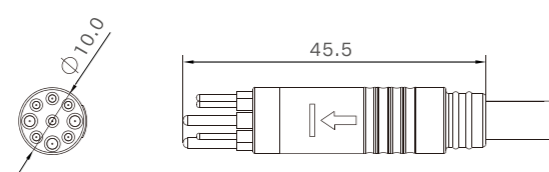
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

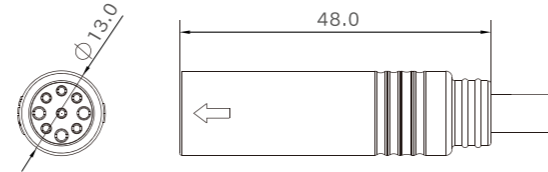
Maximum Diameter	13.0mm
Mating Length	74.8mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:5.8mm,3×1.5mm ² +6×0.14mm ² -PVC ②:OD:5.8mm,3×1.2mm ² +6×0.2mm ² -PVC ③:OD:5.8mm,3×16AWG+6×26AWG-PVC



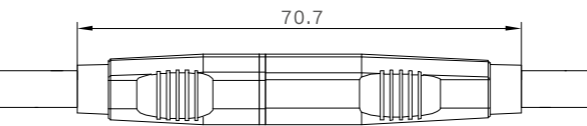
Mating Size



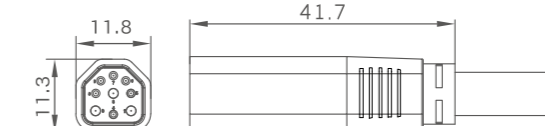
Male Size



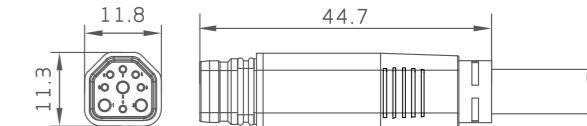
Female Size



Mating Size



Male Size



Female Size

HG-F.M-Z913B

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 15A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 100N max Unmating force: 50N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	13.0mm
Mating Length	70.7mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:5.8mm,3×1.5mm ² +6×0.14mm ² -PVC



MOTOR

HG-F.M-Z1012B



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 20A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

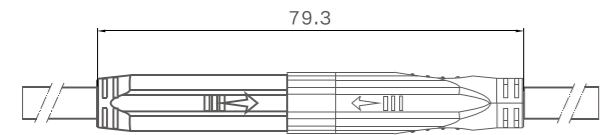
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 100N max Unmating force : 50N min

Environment Characteristics

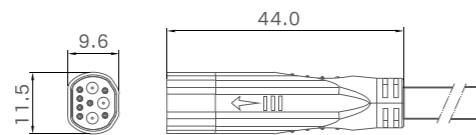
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

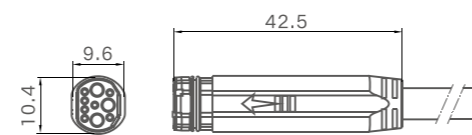
Maximum Diameter	11.5mm
Mating Length	79.3mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:7.0mm,3×2.0mm ² +7×0.14mm ² -PVC



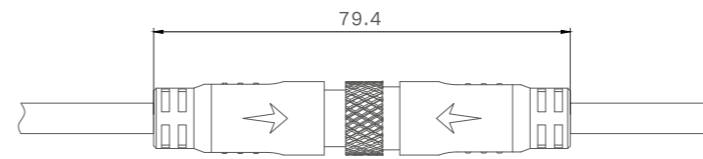
Mating Size



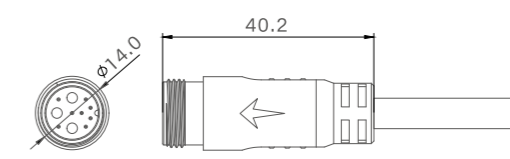
Male Size



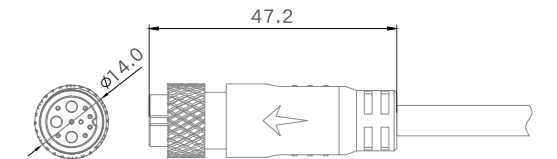
Female Size



Mating Size



Male Size



Female Size

HG-F.M-L1114A

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 20A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Screw-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	14.0mm
Mating Length	79.4mm
Contact Material	Copper alloy plated with silver
Cable Spec.	OD:7.5mm,3×2.0mm ² +8×0.14mm ² -PVC



MOTOR

HG-F.M-Z1115A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 25A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

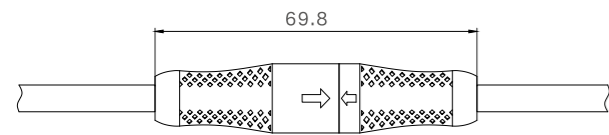
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 100N max Unmating force : 50N min

Environment Characteristics

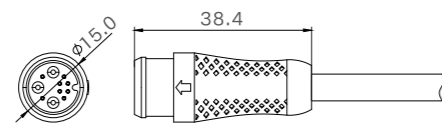
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

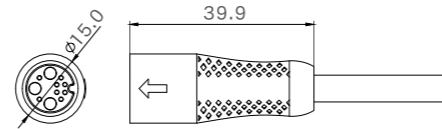
Maximum Diameter	15.0mm
Mating Length	69.8mm
Contact Material	Copper alloy plated with silver
Cable Spec.	①:OD:7.5mm,3×2.5mm ² +8×0.14mm ² -PVC ②:OD:7.5mm,3×13AWG+8×26AWG-PVC



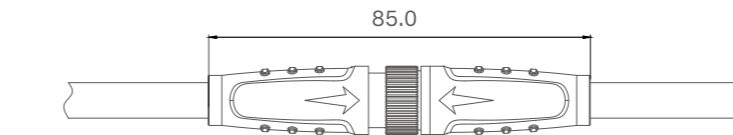
Mating Size



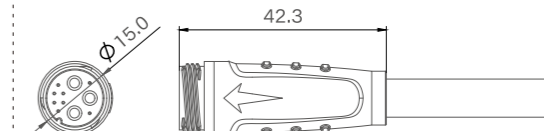
Male Size



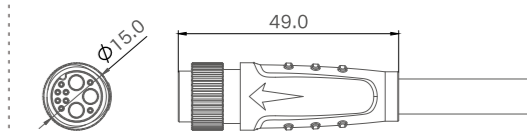
Female Size



Mating Size



Male Size



Female Size

new HG-F.M-L1115B

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 30A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Screw-locking
Mating and Unmating Force	Mating force : 80N Max

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	15.0mm
Mating Length	85.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:7.8mm,3×3.0mm ² +7×0.14mm ² -PVC



MOTOR

HG-F.M-Z1125A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 25A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

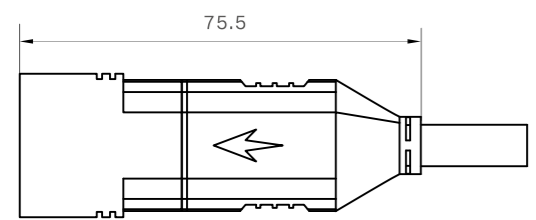
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

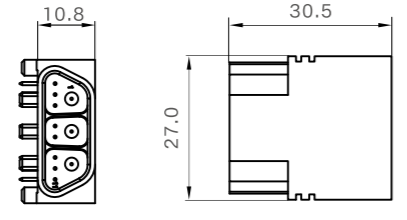
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

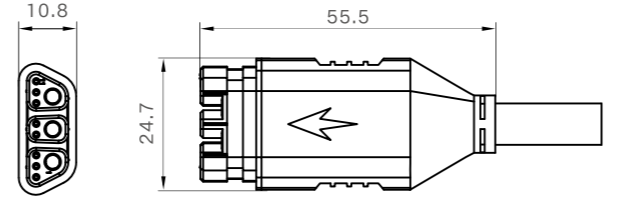
Maximum Diameter	25.0mm
Mating Length	75.5mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:7.8mm,3×12AWG+8×26AWG-PVC



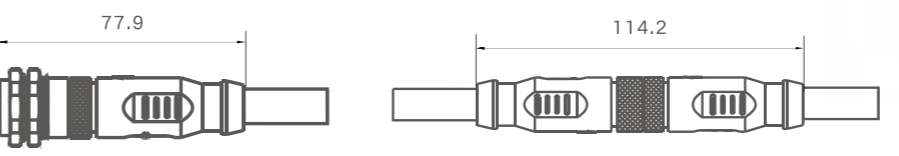
Mating Size



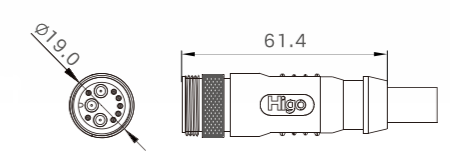
Male Size



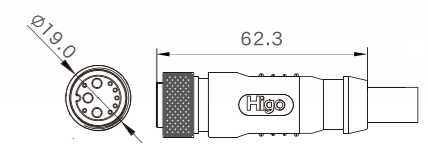
Female Size



Mating Size



Male Size



Female Size

HG-F.M-L1019A



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 30A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Screw-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

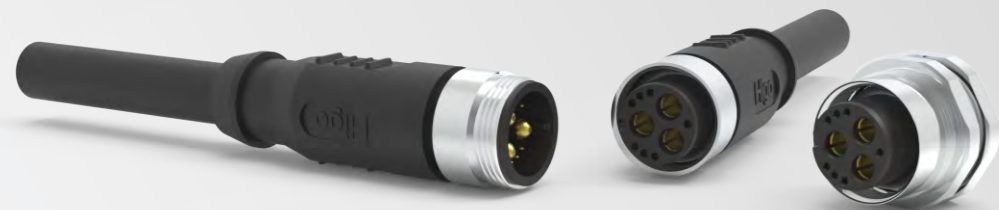
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	19.0mm
Mating Length	114.2mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:9.0mm,3 × 4.0mm ² +7 × 0.14mm ² -PVC

MOTOR

HG-F.M-L1019D



Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Power 45A Signal 2A
Withstanding Voltage	700V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

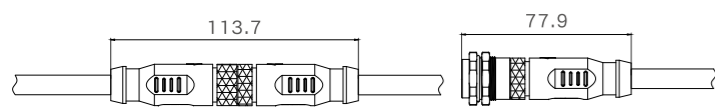
Mating Cycles	200 cycles
Mating Type	Screw-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

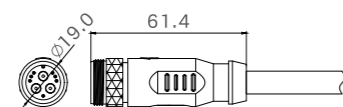
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

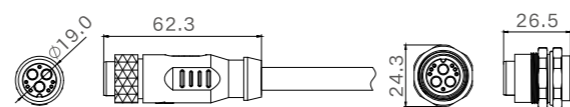
Maximum Diameter	19.0mm
Mating Length	113.7mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:11.0mm,3 × 10AWG+7 × 26AWG-PVC



Mating Size



Male Size



Female Size

3

SIGNAL

HG-F.S-Z205A	43	HG-F.S-Z*09B	54
HG-F.S-Z205B	44	HG-F.S-L*09C	55
HG-F.S-Z305A	45	HG-F.S-Z209E	56
HG-F.S-Z*05X	46	HG-F.S-Z*09F	57
HG-F.S-Z*05M	47	HG-F.S-Z710A	58
HG-F.S-Z*06Q-B	48	HG-F.S-L810A	59
HG-F.S-Z1007C	49	HG-F.S-Z1211A	60
HG-F.S-Z707D	50	HG-F.S-Z*11C	61
HG-F.S-Z*07J	51	HG-F.S-Z1513A	62
HG-F.S-Z*07T	52	HG-F.S-Z815A	63
HG-F.S-Z*08D	53	HG-F.S-Z1215A	64

HG-F.S-Z205A



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

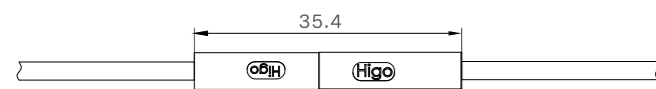
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 60N max Unmating force: 20N min

Environment Characteristics

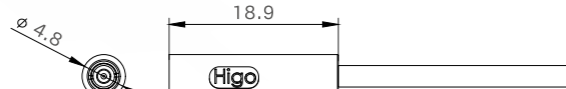
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

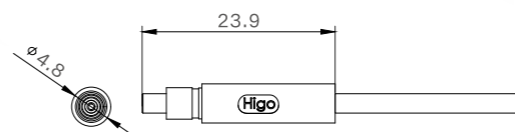
Maximum Diameter	4.8mm
Mating Length	35.4mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:2.4mm,2×0.14mm ² -PVC ②:OD:2.4mm,2×0.14mm ² -TPU



Mating Size



Male Size



Female Size

HG-F.M-Z205B



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

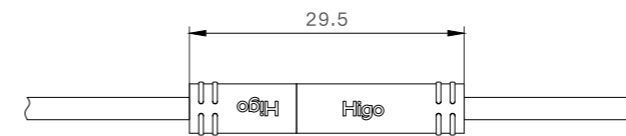
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 60N max Unmating force: 20N min

Environment Characteristics

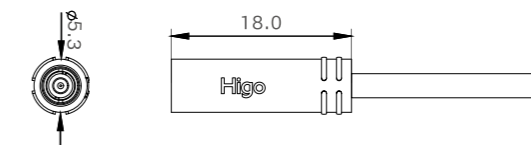
Protection Level	IP66
Operation Temperature	-25°C~+80°C

Other Specification

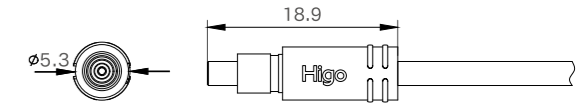
Maximum Diameter	5.3mm
Mating Length	29.5mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.7mm,3×0.20mm ² -PVC ②:OD:3.7mm,3×0.20mm ² -TPU ③:OD:3.7mm,3×0.14mm ² -PVC



Mating Size



Male Size



Female Size

HG-F.S-Z305A



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

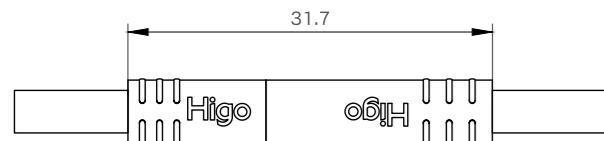
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

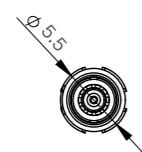
Protection Level	IP66
Operation Temperature	-25°C~+80°C

Other Specification

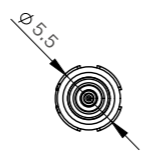
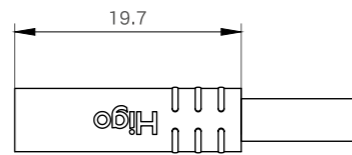
Maximum Diameter	5.5mm
Mating Length	31.7mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.7mm,3×0.20mm ² -PVC ②:OD:3.7mm,3×0.20mm ² -TPU ③:OD:3.7mm,3×0.14mm ² -PVC



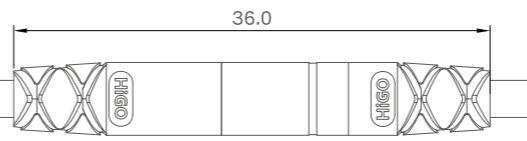
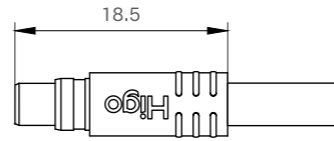
Mating Size



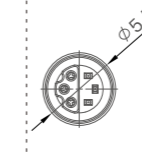
Male Size



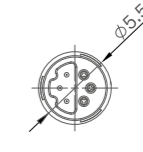
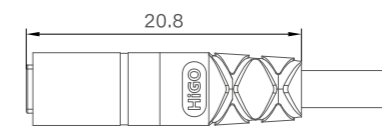
Female Size



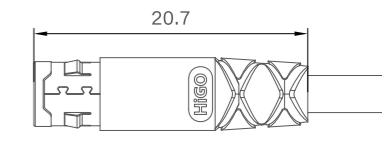
Mating Size



Male Size



Female Size



Female Size

HG-F.S-Z*05X

Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

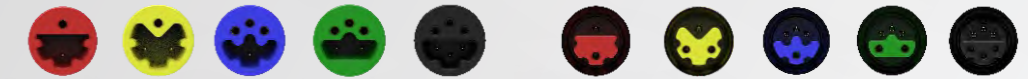
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 60N max Unmating force : 15N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	5.5mm
Mating Length	36.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:2.4mm,2×0.14mm ² -PVC ②:OD:2.8mm,3×0.14mm ² -PVC ③:OD:2.8mm,4×0.08mm ² -PVC ④:OD:2.8mm,5×0.08mm ² -PVC ⑤:OD:2.8mm,6×0.08mm ² -PVC



HG-F.S-Z*05M



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

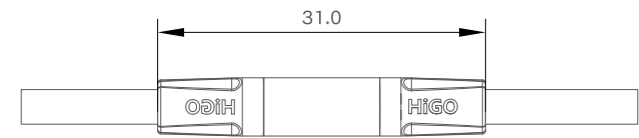
Mating Cycles	50 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 60N max Unmating force: 15N min

Environment Characteristics

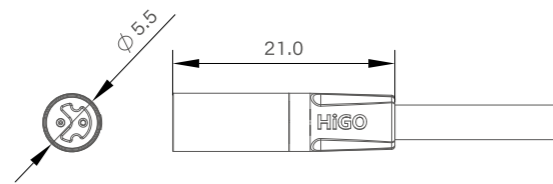
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

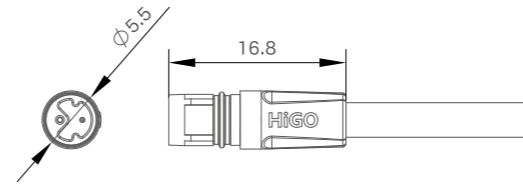
Maximum Diameter	5.5mm
Mating Length	31.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.0mm,2×26AWG-TPU ②:OD:3.3mm,4×0.13mm ² -TPU



Mating Size



Male Size



Female Size

HG-F.S-Z*06Q-B



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

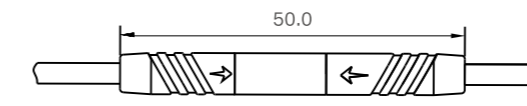
Mating Cycles	50 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 60N max Unmating force: 15N min

Environment Characteristics

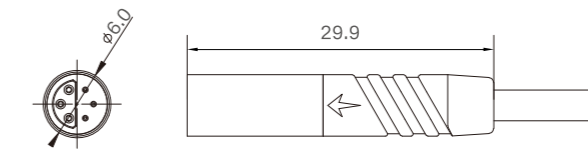
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

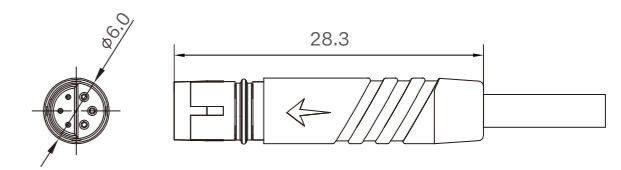
Maximum Diameter	6.0mm
Mating Length	50.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:2.8mm,3×0.14mm ² -PVC ②:OD:2.8mm,4×0.08mm ² -PVC ③:OD:3.0mm,5×0.14mm ² -TPU ④:OD:3.5mm,6×0.14mm ² -PVC



Mating Size



Male Size



Female Size

HG-F.S-Z1007C



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤20mΩ

Mechanical Characteristics

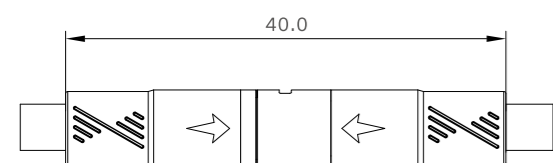
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 60N max Unmating force: 15N min

Environment Characteristics

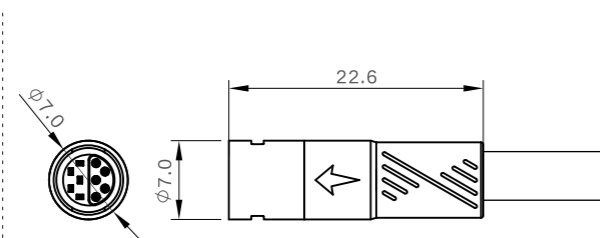
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

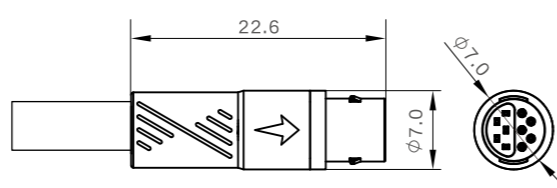
Maximum Diameter	7.0mm
Mating Length	40.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:4.2mm,10×26AWG-PVC



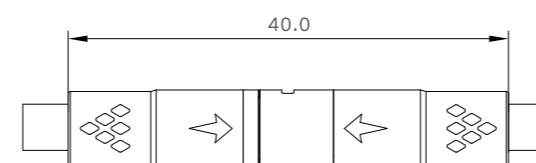
Mating Size



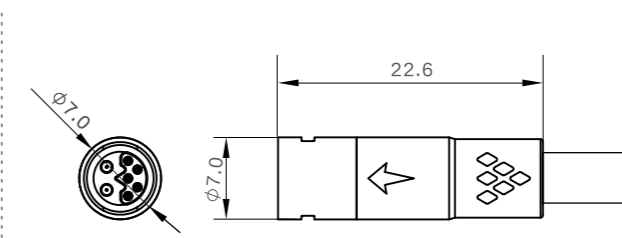
Male Size



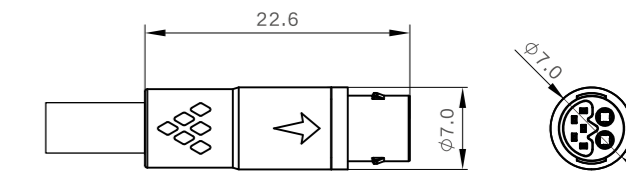
Female Size



Mating Size



Male Size



Female Size

Electrical Characteristics

Rated Voltage	48V AC
Rated Current	5A+2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤20mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 60N max Unmating force: 15N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	7.0mm
Mating Length	40.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:4.4mm,2×20AWG+5×26AWG-PVC

HG-F.S-Z707D



HG-F.S-Z*07J



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

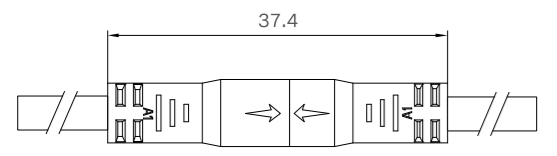
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 80N max Unmating force: 30N min

Environment Characteristics

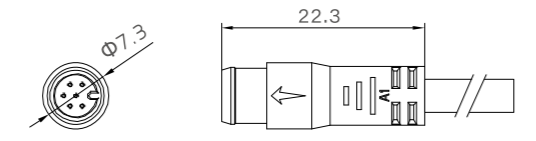
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

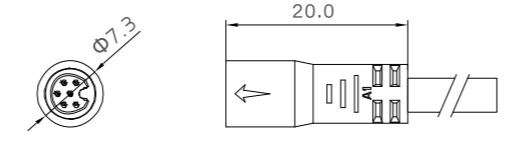
Maximum Diameter	7.3mm
Mating Length	37.4mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.7mm,2×0.2mm ² -PVC ②:OD:3.7mm,3×24AWG-PVC ③:OD:3.7mm,4×0.14mm ² -TPU ④:OD:4.0mm,5×26AWG-PVC ⑤:OD:3.5mm,6×0.14mm ² -TPU



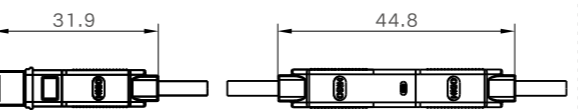
Mating Size



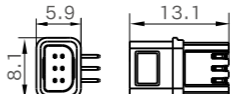
Male Size



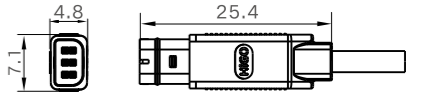
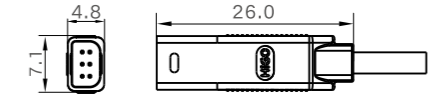
Female Size



Mating Size



Male Size



Female Size

HG-F.S-Z*07T

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force: 60N max Unmating force: 15N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	7.1mm
Mating Length	44.8mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:2.8mm,6×0.08mm ² -PVC



HG-F.S-Z*08D



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

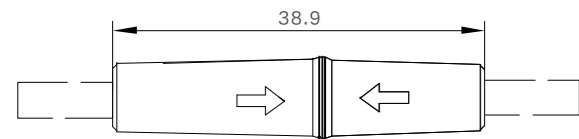
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

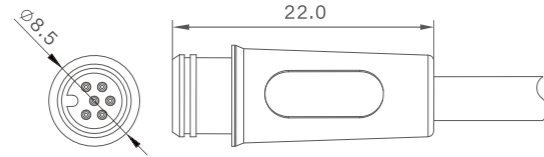
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

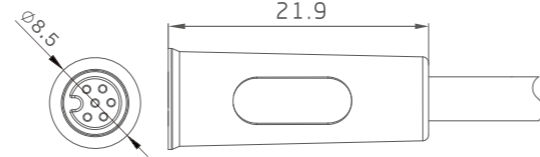
Maximum Diameter	8.5mm
Mating Length	38.9mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.7mm,2×0.2mm ² -PVC ②:OD:3.7mm,3×24AWG-PVC ③:OD:3.7mm,4×0.14mm ² -TPU ④:OD:4.0mm,5×26AWG-PVC ⑤:OD:3.5mm,6×0.14mm ² -TPU



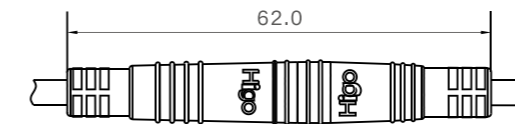
Mating Size



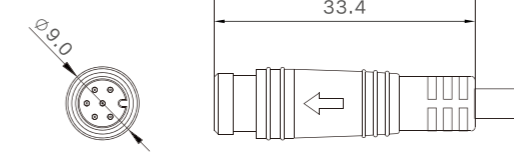
Male Size



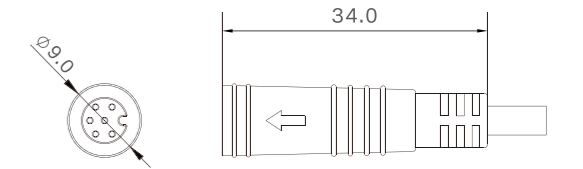
Female Size



Mating Size



Male Size



Female Size

HG-F.S-Z*09B



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	9.0mm
Mating Length	62.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.7mm,2×0.20mm ² -PVC ②:OD:3.7mm,3×24AWG-PVC ③:OD:3.7mm,4×0.14mm ² -PVC ④:OD:4.0mm,5×26AWG-PVC ⑤:OD:3.5mm,6×0.14mm ² -PVC

HG-F.S-L*09C



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

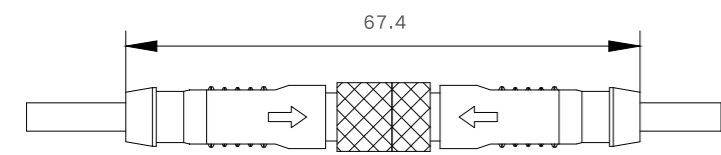
Mating Cycles	200 cycles
Mating Type	Screw-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

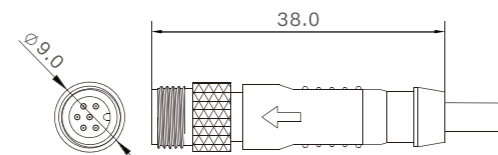
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

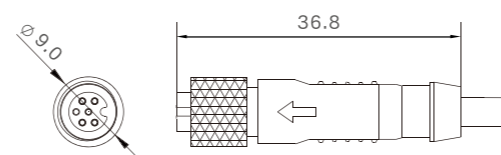
Maximum Diameter	9.0mm
Mating Length	67.4mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.7mm,2×24AWG-PVC ②:OD:3.7mm,3×0.20mm ² -TPU ③:OD:3.7mm,4×26AWG-PVC ④:OD:4.0mm,5×0.14mm ² -TPU ⑤:OD:4.0mm,6×26AWG-PVC



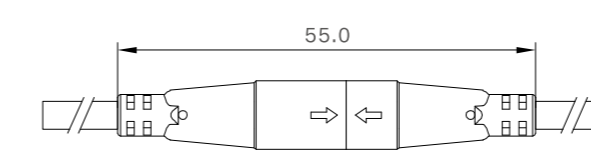
Mating Size



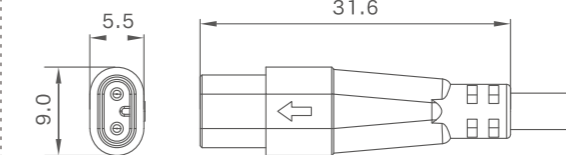
Male Size



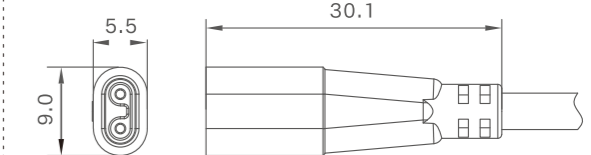
Female Size



Mating Size



Male Size



Female Size

Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	9.0mm
Mating Length	55.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.7mm,2×0.2mm ² -PVC

HG-F.S-Z209E



HG-F.S-Z*09F



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

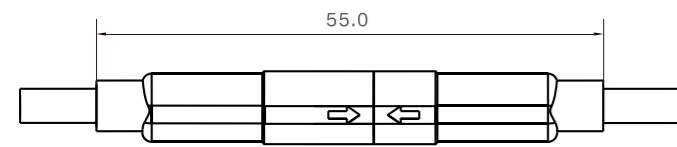
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

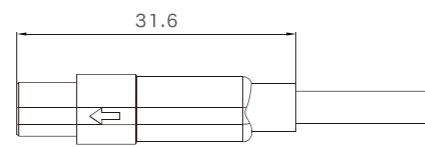
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

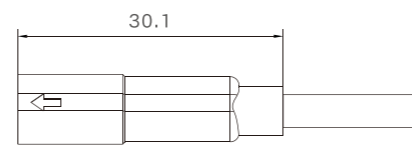
Maximum Diameter	9.0mm
Mating Length	55.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	①:OD:3.7mm,2 × 0.2mm ² -PVC ②:OD:3.7mm,3 × 0.2mm ² -PVC ③:OD:3.7mm,4 × 0.14mm ² -PVC ④:OD:3.7mm,5 × 0.14mm ² -PVC ⑤:OD:3.7mm,6 × 0.14mm ² -PVC ⑥:OD:4.2mm,8 × 0.14mm ² -PVC ⑦:OD:5.8mm,9 × 0.1mm ² -PVC



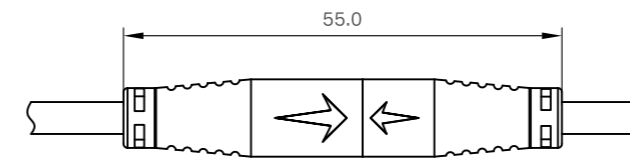
Mating Size



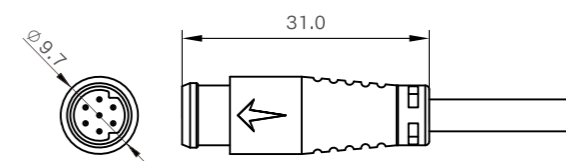
Male Size



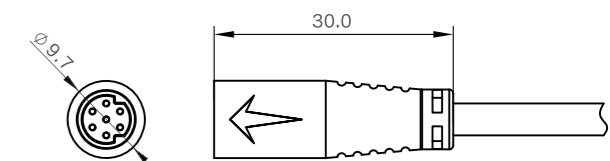
Female Size



Mating Size



Male Size



Female Size



HG-F.S-Z710A

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	10.0mm
Mating Length	55.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:4.0mm,7×0.14mm ² -PVC

HG-F.S-L810A



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

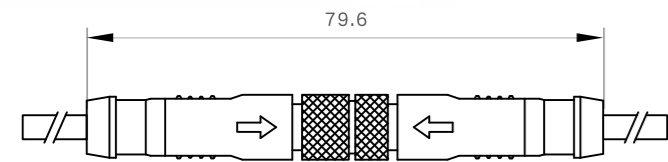
Mating Cycles	200 cycles
Mating Type	Screw-locking
Mating and Unmating Force	Mating force : 80N max

Environment Characteristics

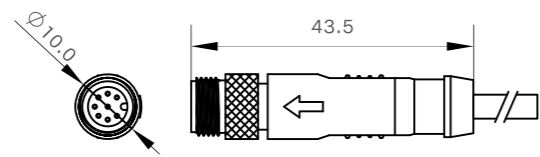
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

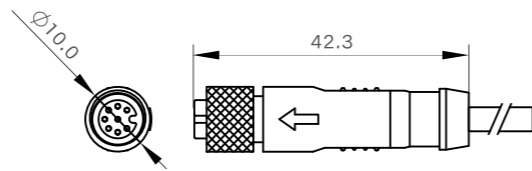
Maximum Diameter	10.0mm
Mating Length	79.6mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:5.8mm,8×0.2mm ² -PVC



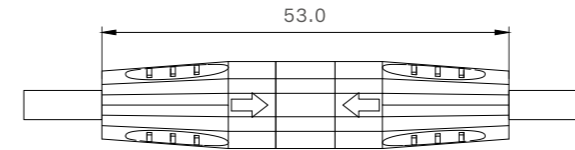
Mating Size



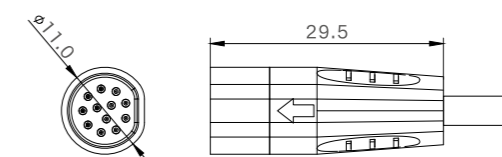
Male Size



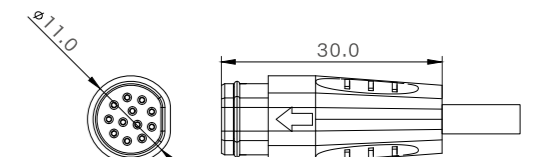
Female Size



Mating Size



Male Size



Female Size

HG-F.S-Z1211A



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

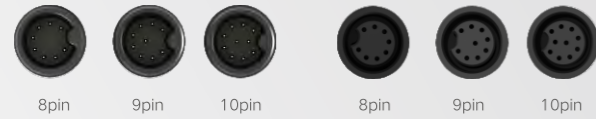
Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	11.0mm
Mating Length	53.0mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:5.0mm,12×26AWG-PVC

HG-F.S-Z*11C



Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

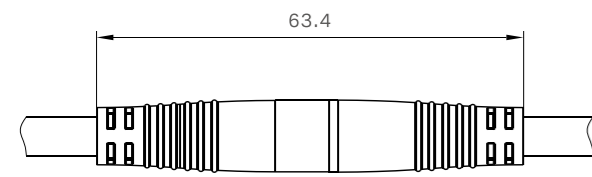
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

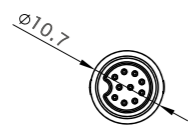
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

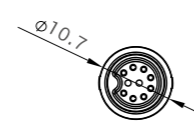
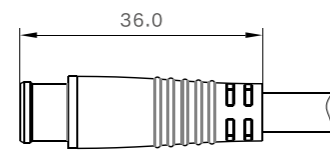
Maximum Diameter	10.7mm
Mating Length	63.4mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:5.0mm,8×0.2mm ² -PVC



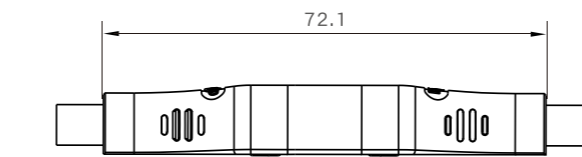
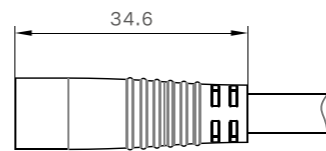
Mating Size



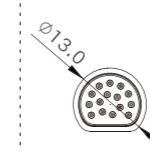
Male Size



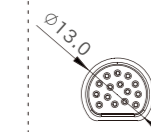
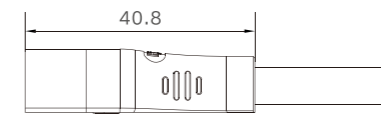
Female Size



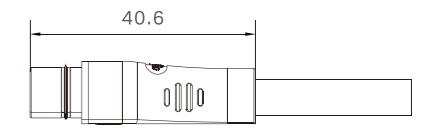
Mating Size



Male Size



Female Size



Female Size



HG-F.S-Z1513A

Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	13.0mm
Mating Length	72.1mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:6.6mm,15×0.14mm ² -PVC

HG-F.S-Z815A

Electrical Characteristics

Rated Voltage	60V AC
Rated Current	Signal 2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resi	≤10mΩ

Mechanical Characteristics

Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

Maximum Diameter	15.0 mm
Mating Length	62.0 mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:4.20mm,8×0.14mm ² -PVC



HG-F.S-Z1215A

Electrical Characteristics

Rated Voltage	48V AC
Rated Current	2A
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ
Contact Resistance	≤10mΩ

Mechanical Characteristics

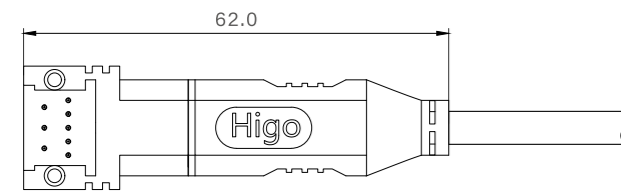
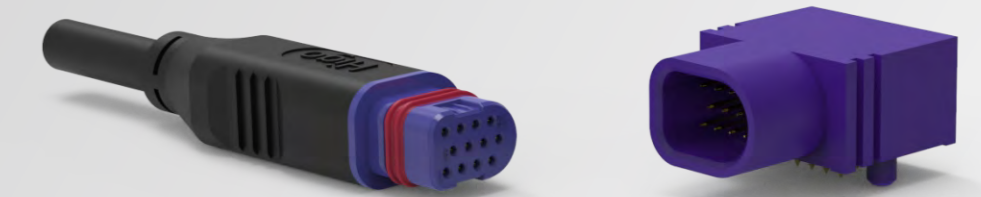
Mating Cycles	200 cycles
Mating Type	Push on
Mating and Unmating Force	Mating force : 80N max Unmating force : 30N min

Environment Characteristics

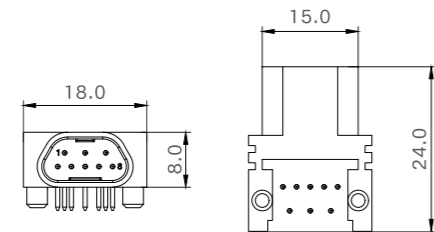
Protection Level	IP67
Operation Temperature	-25°C~+80°C

Other Specification

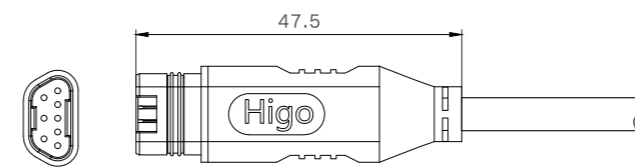
Maximum Diameter	14.5mm
Mating Length	64.4mm
Contact Material	Copper alloy plated with gold
Cable Spec.	OD:5.8mm,12×24AWG-PVC



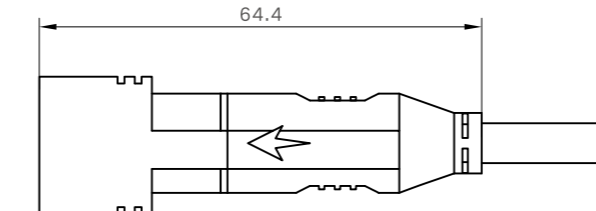
Mating Size



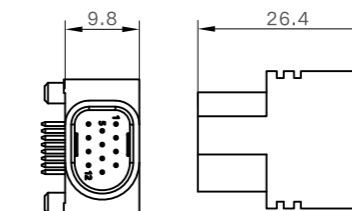
Male Size



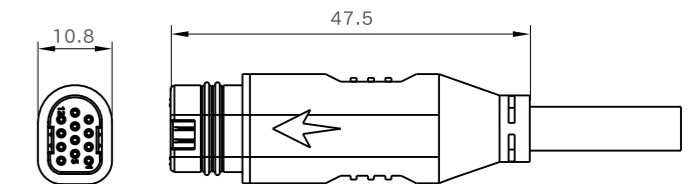
Female Size



Mating Size



Male Size



Female Size

4

SPLITTER

HG-F.T-2T6A	66
HG-F.T-1T*B	67
HG-F.T-1T*D	68
HG-F.T-1T*G	69
HG-F.T-1T*H	70
HG-F.T-1T*J	71
HG-F.T-1T*Q	72
HG-F.T-1T*X	73
HG-F.T-1T*W	74

HG-F.T-2T6A

Electrical Characteristics

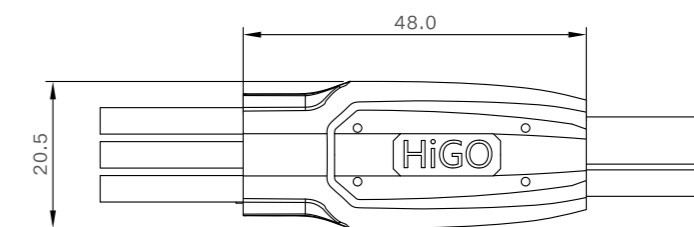
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ

Environment Characteristics

Protection Level	IP67
Temperature Range	-25°C~+80°C

Other Specification

Maximum Diameter	48×20.5×14mm
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Maximum Diameter

HG-F.T-1T*B



Electrical Characteristics

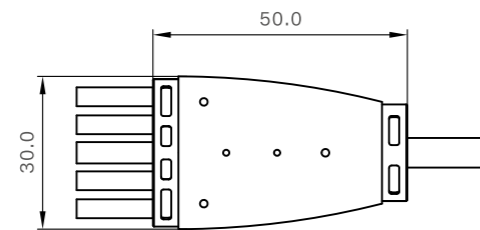
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	$\geq 20M\Omega$

Environment Characteristics

Protection Level	IP66
Temperature Range	-25°C~+80°C

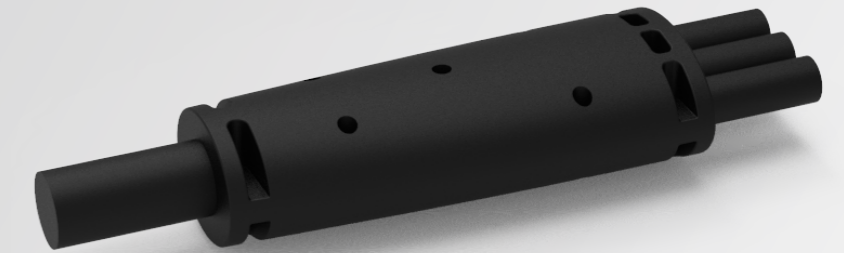
Other Specification

Maximum Diameter	30×50mm
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Maximum Diameter

HG-F.T-1T*D



Electrical Characteristics

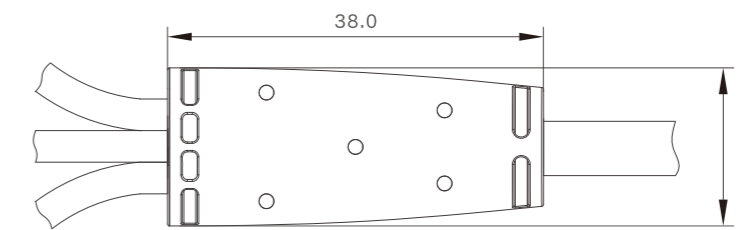
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	$\geq 20M\Omega$

Environment Characteristics

Protection Level	IP66
Temperature Range	-25°C~+80°C

Other Specification

Maximum Diameter	16×38mm
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Maximum Diameter

HG-F.T-1T*G



Electrical Characteristics

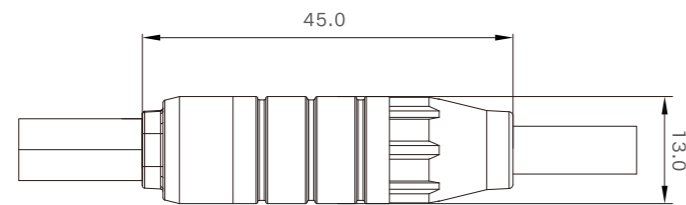
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	$\geq 20M\Omega$

Environment Characteristics

Protection Level	IP67
Temperature Range	-25°C~+80°C

Other Specification

Maximum Diameter	13×45mm
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Maximum Diameter

HG-F.T-1T*H



Electrical Characteristics

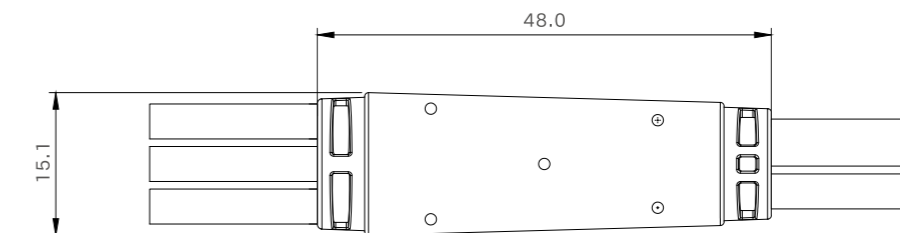
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	$\geq 20M\Omega$

Environment Characteristics

Protection Level	IP66
Temperature Range	-25°C~+80°C

Other Specification

Maximum Diameter	15.1×48mm
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Maximum Diameter

HG-F.T-1T*J



Electrical Characteristics

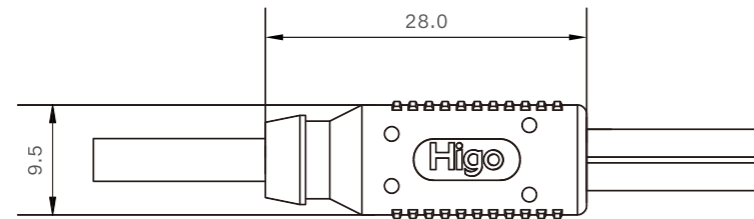
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ

Environment Characteristics

Protection Level	IP67
Temperature Range	-25°C~+80°C

Other Specification

Maximum Diameter	9.5×28mm
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Maximum Diameter

HG-F.T-1T*Q



Electrical Characteristics

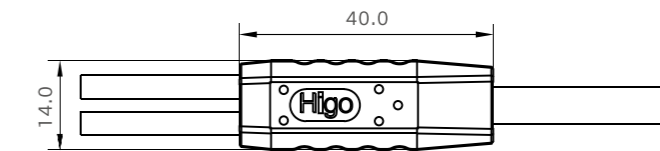
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ

Environment Characteristics

Protection Level	IP66
Temperature Range	-25°C~+80°C

Other Specification

Maximum Diameter	11×14×40mm
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Maximum Diameter

HG-F.T-1T*X



Electrical Characteristics

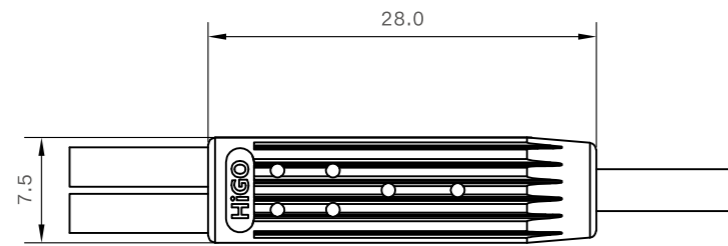
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ

Environment Characteristics

Protection Level	IP66
Temperature Range	-25°C~+80°C

Other Specification

Maximum Diameter	7.5×28mm
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Maximum Diameter

HG-F.T-1T*W



Electrical Characteristics

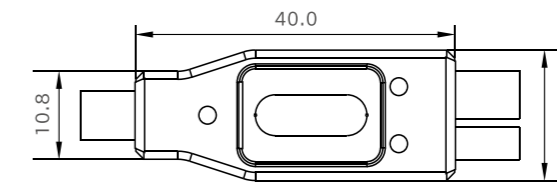
Rated Voltage	48V AC
Withstanding Voltage	500V
Insulation Resistance	≥20MΩ

Environment Characteristics

Protection Level	IP67
Temperature Range	-25°C~+80°C

Other Specification

Maximum Diameter	16×40mm
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Maximum Diameter



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