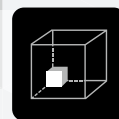


GT19 Series

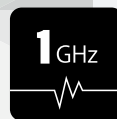
Coaxial Cable Connector for Automotive Glass Antenna



Antenna



Space Saving



1 GHz



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Features

1. Space Saving Design
2. Secure mating with clear tactile click
3. Frequency range : up to 1GHz

Application

Automotive Glass Antenna

Product Specifications

| | | | |
|---------------|---------|--------------------------------|---------------|
| Rated Current | 1A | Operating Temperature (Note 1) | -30 to +105°C |
| Rated Voltage | 125V AC | | |

| Item | Specifications | Conditions |
|-----------------------|---------------------------------|-----------------------------------|
| Contact Resistance | 30m Ω Max. | Measured at 1A DC |
| Insulation Resistance | 100M Ω Min. | Measured at 500V DC |
| Withstanding Voltage | No insulation breakdown | 375V AC for 1 min. |
| Mating Durability | Contact Resistance : 60m Ω Max. | 30 times insertion and extraction |

Note : Includes temperature rise due to current flow.

Plug

The product consists of five parts.
(Housing, Insulation Case, Outer Terminal, Retainer and Center Terminal)



● Housing

| Part No. | HRS No. | Material | Color | Purchase Unit |
|-------------|------------------|----------|-------|----------------|
| GT19S-1S-HU | CL0769-0017-1-00 | PBT | Black | 100pcs per bag |

● Insulation Case

| Part No. | HRS No. | Material | Color | Purchase Unit |
|----------|------------------|----------|-----------|----------------|
| GT19S-SC | CL0769-0015-6-00 | PBT | Dark Gray | 100pcs per bag |

● Outer Terminal

| Part No. | HRS No. | Material / Finish | Insulation Outer Diameter | Jacket Outer Diameter | Purchase Unit |
|------------------|------------------|---------------------|---------------------------|-----------------------|----------------|
| GT19S-/1.6-2.9SC | CL0769-0016-9-00 | Brass / Tin Plating | φ 1.5 to 2.0 | φ 2.6 to 3.0 | 100pcs per bag |

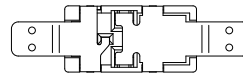
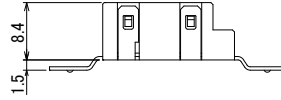
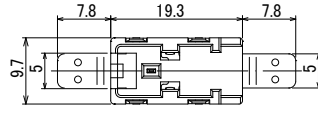
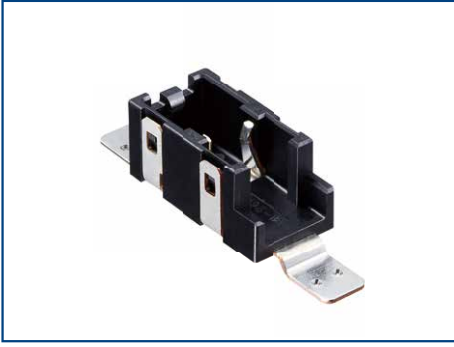
● Retainer

| Part No. | HRS No. | Material | Color | Purchase Unit |
|------------|------------------|----------|-----------|----------------|
| GT19S-1S-R | CL0769-0018-4-00 | PBT | Dark Gray | 100pcs per bag |

● Center Terminal

| Part No. | HRS No. | Material / Finish | Wire Size | Purchase Unit |
|---------------|------------------|----------------------------|--------------|-------------------|
| GT19S-30SCF | CL0769-0014-3-00 | Copper Alloy / Tin Plating | 30 AWG | 3,000pcs per reel |
| GT19S-2428SCF | CL0769-0021-9-00 | | 24 to 28 AWG | |

Receptacle



| Part No. | HRS No. | Material / Finish or Color | Purchase Unit |
|-------------|------------------|---|----------------|
| GT19SA-1P-V | CL0769-0022-1-00 | Housing : PPS / Black Center Terminal : Brass / Tin Plating Outer Terminal : Copper Alloy / Tin Plating | 80pcs per tray |

Crimping Tools

Please ask your Hirose Electric representative for a user manual.

Automatic Crimping Machine



Product number CM-105C

Note 1 : Photo for reference only. Subject to change.

Note 2 : Please refer to the table below for applicator part numbers.

Specifications

| Item | Specifications | Remarks |
|-------------------|---------------------|---------------|
| Press Capacity | 1.5ton | - |
| Stroke Length | 30mm | - |
| Number of Strokes | 200spm (50Hz) | 240spm (60Hz) |
| Weight | 75kg | - |
| Motor | 0.2kw | 100V AC |
| Crimping Speed | 2,000 to 4,000pcs/H | - |

Applicator (for Mounting to Automatic Crimping Machines)

| Terminal Part No. | Terminal HRS No. | Applicator Part No. | Applicator HRS No. |
|-------------------|------------------|---------------------|--------------------|
| GT19S-30SCF | CL0769-0014-3-00 | AP105-GT19S-30S | CL0901-5150-0-00 |
| | | AP105-GT19S-30S-ID | CL0901-5167-3-00 |
| GT19S-2428SCF | CL0769-0021-9-00 | AP105-GT19S-2428S | CL0901-5178-0-00 |

Note 1 : Different contact crimp heights are available for different cable types.

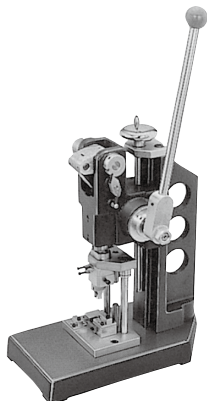
Please contact your Hirose Electric account representative for details.

Other cables will require different crimp height settings. Please note that this may take a few days.

Note 2 : When purchasing HRS equipment, please contact your Hirose Electric account representative to confirm that the cable that you plan to use for the applicable terminal has been evaluated.

Note 3 : The applicators and tools listed here may not be applicable depending on the specifications of the cable you use.

Hand Press



Product number HOS-7

Outer Terminal Caulking Tool (for Mounting Hand Press)

| Terminal Part No. | Terminal HRS No. | Outer Terminal Caulking Tool Part No. | Outer Terminal Caulking Tool HRS No. |
|-------------------|------------------|---------------------------------------|--------------------------------------|
| GT19S-/1.6-2.9SC | CL0769-0016-9-00 | GT19S-1.6-2.9S/CK-MP | CL0902-5516-7-00 |
| | | GT19S-1.6-2.9S/CK-MP3 | CL0902-5518-2-00 |

Note 1 : Different contact crimp heights are available for different cable types.
Please contact your Hirose Electric account representative for details.

Please note that we will need to define new crimp heights for novel cables and this may take a few days.

Note 2 : When purchasing HRS equipment, please contact your Hirose Electric account representative to confirm that the cable that you plan to use for the applicable terminal has been evaluated.

Note 3 : The applicators and tools listed here may not be applicable depending on the specifications of the cable you use.

While Taking into Consideration

Specifications mentioned in this catalog are reference values.

When considering to order or use this product, please review the Drawing and Product Specifications sheets.

Use an appropriate cable when using the connector in combination with cables.

If considering usage of a non-specified cable, please contact your sales representative.

If assembly process is done by jigs & tools which are not identified by Hirose, the warranty of the product may be affected.

If considering usage for below mentioned applications, please contact your sales representative.

In cases where the application will demand a high level of reliability, such as automotive, medical instruments, public infrastructure, aerospace/defense etc. Hirose must review before assurance of reliability can be given.