

WATERPROOF SERIES CONNECTORS





Shenzhen Anknor Technology Co., Ltd. (ANKNOR) is a wholly-owned subsidiary of MOFLON, a global manufacturer of high-end precision rotary connectors. ANKNOR focuses on the research, development, production, and sales of high-precision connector products, committed to providing customized and highly reliable connection solutions for global customers.

MOFLON, with its factory located in Shajing, Shenzhen, employs over 500 people and has an annual sales revenue exceeding 300 million RMB. With a 20,000 square meter high-tech factory, MOFLON is dedicated to high-end manufacturing, driving industry development with high-quality products. Its products are widely exported to developed countries in Europe, America, and Japan, and have entered the European and American aerospace and military industries. MOFLON has established long-term and friendly cooperative relationships with many internationally renowned brands. Over 60% of its products are customized, widely used in robotics, CCTV camera systems, packaging machinery, medical instruments, and automation systems. The company has also obtained ISO 9001, UL, CE, and other relevant certifications.

Leveraging the strong resources of its parent company, ANKNOR can undertake highly demanding and complex special customization needs, continuing the parent company's advantage of over 60% customized product sales. Its products include standard and customized high-precision conductive slip rings and standard and customized industrial connectors, possessing characteristics such as high precision, high stability, and strong adaptability, with performance comparable to international advanced levels.

ANKNOR's products are applied in various high-end fields, including aerospace, marine, military, robotics, automotive, medical instruments, intelligent manufacturing, automation systems, weaponry, railways, oil exploration, wind power generation, and agricultural informatization.

In the future, ANKNOR will use its parent company's technological expertise as a solid foundation, with innovation as its core driving force, to build a benchmark brand in its niche market, creating more valuable connection solutions for global customers and jointly exploring new opportunities in the industry

Office environment



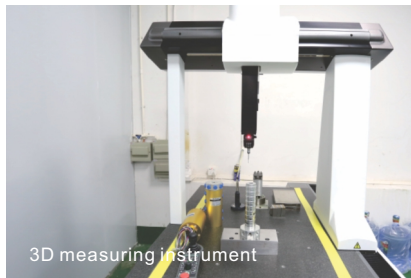
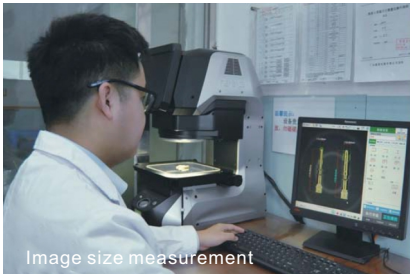
PRECISE

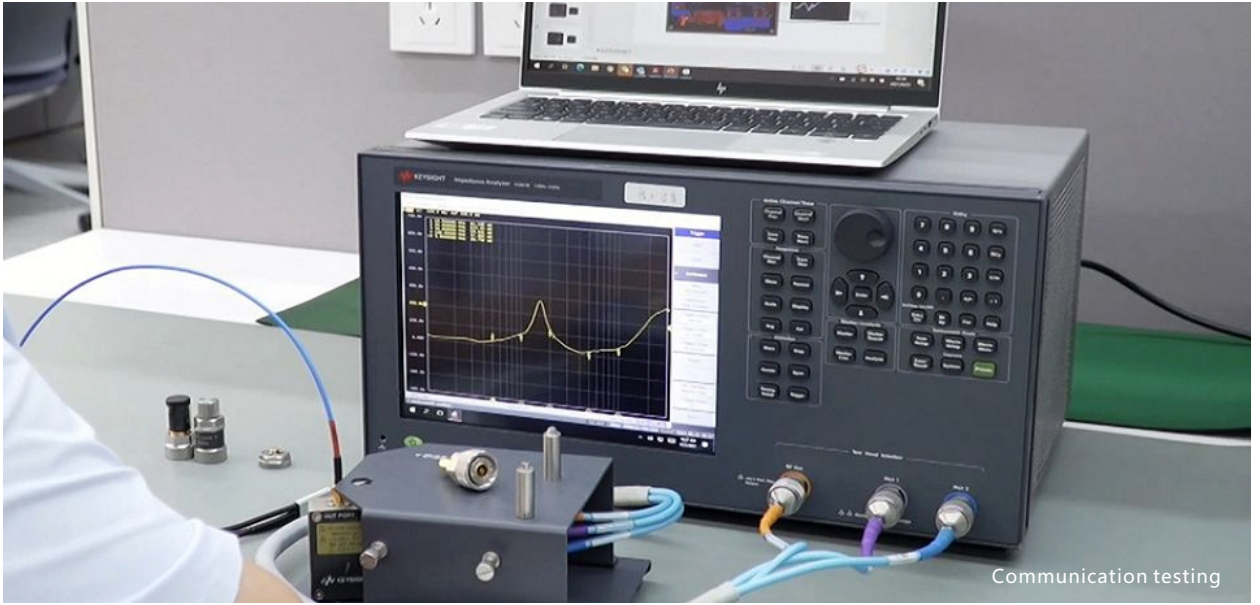
Precise Production Control, High Quality and Efficiency



QUALITY

Rigorous testing ensures product quality





HONOR

Honors and Qualifications



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Model 15 Rubber-Plastic Hybrid Data Series

Product Introduction

Applications

Designed for ROV and underwater towed vehicle systems, marine systems, equipment and instrumentation solutions, offshore oil and gas, renewable energy and subsea systems, defense equipment systems, underwater cameras and video systems, and underwater control systems.

Features

Plug tail cables can be directly vulcanized with waterproof cables (rubber or polyurethane). Receptacle body is manufactured from Stainless Steel 316L or Titanium Alloy TC4. Customizable tail configurations for power transmission. Compatible and capable of wet-mating with corresponding 5/6/8/13/16-pin connectors from the SubConn Micro Circular/Circular series and the Seacon Micro WET-CON/WET-CON series.



The pictures are for reference only


Model 15 Rubber-Plastic Hybrid Data Series

Performance Parameters

Contact Configuration	2, 4 pin
Contact Resistance	≤ 10 mΩ
Insulation Resistance	≥ 500 MΩ
Dielectric Withstanding Voltage	≤ 1000V DC, 1 min
Current Rating per Contact	≤ 2A (Total connector current ≤ 10A)
Mechanical Life	≥ 300 mating cycles
Factory Pressure Test	Standard 15MPa (Customizable up to 25MPa)
Operating Temperature	-25°C to +80°C

Material Specifications

Connector Body	Neoprene Rubber
Shell Material	Standard Stainless Steel 316L (Titanium Alloy TC4 optional)
Contacts	Gold-plated Brass
Alignment Pin	Stainless Steel 316L
O-ring Seal	Nitrile Rubber / Neoprene Rubber
Locking Nut	Standard Stainless Steel 316L (Titanium Alloy TC4 optional)

Contact Arrangement (Pin Type)



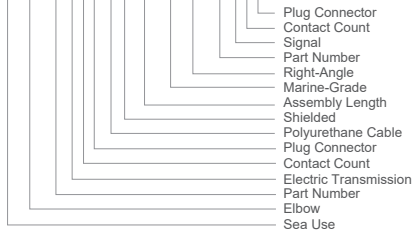
Contacts: 2 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 250V DC/AC rms
 Dielectric Withstanding Voltage: 1000V/DC



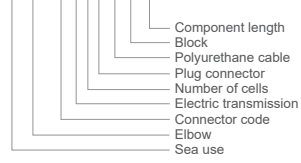
Contacts: 4 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 250V DC/AC rms
 Dielectric Withstanding Voltage: 1000V/DC

Product Introduction

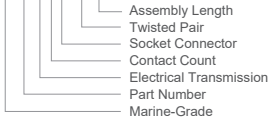
H(W)15EnT-PSLm-H(W)15EnT



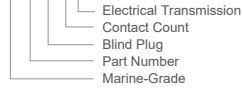
H(W)15EnT-PSLm



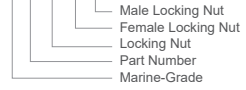
H15EnT-SLm



H15G-nE



H15DL-F(M)



Double-head
Component

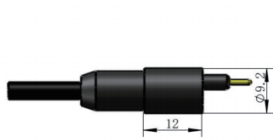
Single-head
Component

Socket
Component

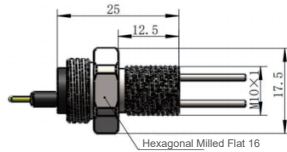
Waterproof
Plug

Locking Threaded
Sleeve

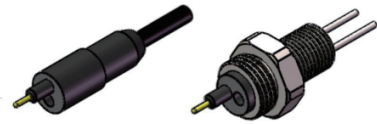
Connector's Outline Dimensions



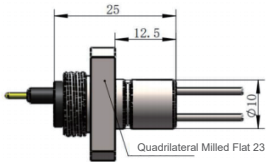
Plug Type H15EnT-PSLm



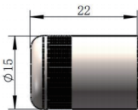
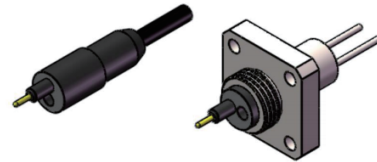
Socket Type H15EnZ-Lm



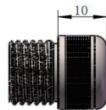
Plug Type H15EnT-PSLm



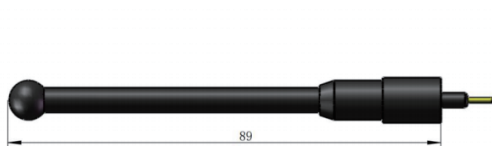
Socket Type H15EnZF-Lm



Female Threaded Sleeve Type H15DL-F



Male Threaded Sleeve Type H15DL-M



Plug Type H15G-En



Model 19 Rubber-Plastic Power Series

Product Introduction

Application

Used for connection and transmission in equipment and instruments for ROV/AUV, underwater vision/lighting, seabed observation, offshore oil and gas, and other renewable energy systems.

Features

Plug tail cables can be directly vulcanized and molded with waterproof cables (rubber cable, polyurethane cable). Receptacle body material is stainless steel 316L or titanium alloy TC4, and different forms of tail wire configurations can be customized to meet power transmission requirements. Compatible and interoperable for wet-mateable connections with corresponding 2-8 pin connectors from the SubConn series (SubConn Micro Circular series / SubConn Circular series) and the SISCON series (Micro WET-CON Series / WET-CON Series).



The pictures are for reference only

Performance Parameters

Contact Configuration	2 ~ 9 Pin
Contact Resistance	≤ 10 mΩ
Insulation Resistance	≥ 1000 MΩ
Dielectric Withstanding Voltage	≤ 2500 V/DC, 1 min
Current Rating per Contact	≤ 10 A (Total Connector Current ≤ 20 A), 15 A per contact available by customization
Mechanical Life	≥ 500 cycles
Factory Hydrostatic Pressure Test	Standard 45 MPa, up to 80 MPa available by customization
Operating Temperature	-25°C ~ 80°C

Material Specifications

Connector Body	Neoprene Rubber
Housing Material	Standard Stainless Steel 316L, Titanium Alloy TC4 available by customization
Contacts	Gold Plated Brass
Alignment Pin	Stainless Steel 316L
O-ring Seal	Nitrile Rubber / Neoprene Rubber
Locking Nut	Engineering Plastic
Circlip	Stainless Steel AISI 302

Contact Arrangement (Pin Type)



Contacts: 2 Pin

Current Rating Per Contact: ≤ 10A
Working Voltage: ≤ 300V DC/AC rms
Dielectric Withstanding Voltage: 2500V/DC



Contacts: 3 Pin

Current Rating per Contact: ≤ 10A
Working Voltage: ≤ 300V DC/AC rms
Dielectric Withstanding Voltage: 2500V/DC



Contacts: 4 Pin

Current Rating per Contact: ≤ 10A
Working Voltage: ≤ 300V DC/AC rms
Dielectric Withstanding Voltage: 2500V/DC



Contacts: 5 Pin

Current Rating per Contact: ≤ 5A
Working Voltage: ≤ 300V DC/AC rms
Dielectric Withstanding Voltage: 2000V/DC



Contacts: 6 Pin

Current Rating per Contact: ≤ 5A
Working Voltage: ≤ 300V DC/AC rms
Dielectric Withstanding Voltage: 2000V/DC



Contacts: 8 Pin

Current Rating per Contact: ≤ 5A
Working Voltage: ≤ 300V DC/AC rms
Dielectric Withstanding Voltage: 2000V/DC

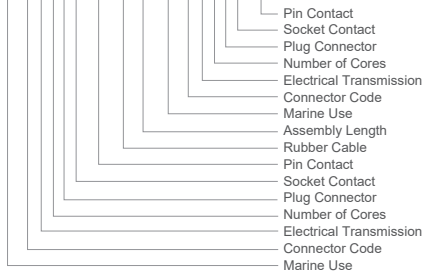


Contacts: 9 Pin

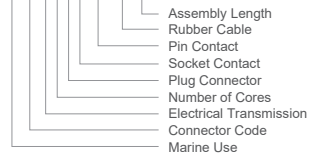
Current Rating per Contact: ≤ 2A
Working Voltage: ≤ 300V DC/AC rms
Dielectric Withstanding Voltage: 1000V/DC

Product Introduction

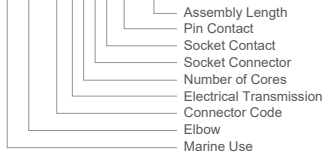
H19EnTK (J)-RLm-H19EnTK (J)



H19EnTK(J)-RLm



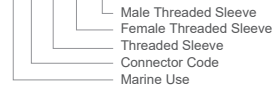
H(W)19EnZK(J)-Lm



H19G-nK (J)



H19DL-F (M)



Double-head Component

Single-head Component

Socket Component

Waterproof Plug

Locking Threaded Sleeve

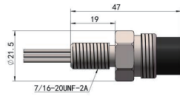
Connector's Outline Dimensions



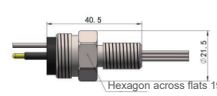
H19EnTK-PSLm Female Plug



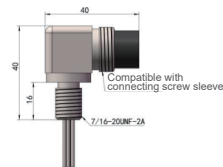
H19EnTJ-PSLm Male Plug



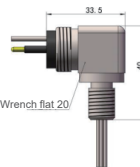
H19EnZK-SLm Female Socket



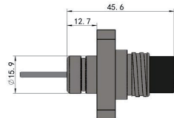
H19EnZJ-SLm Male Socket



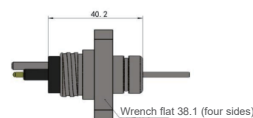
HW19EnZK-SLm Female Socket



HW19EnZJ-SLm Male Socket



H19EnZFK-SLm Female Socket



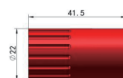
H19EnZFJ-SLm Male Socket



H19G-nJ Female Blank Plug (short-circuitable)



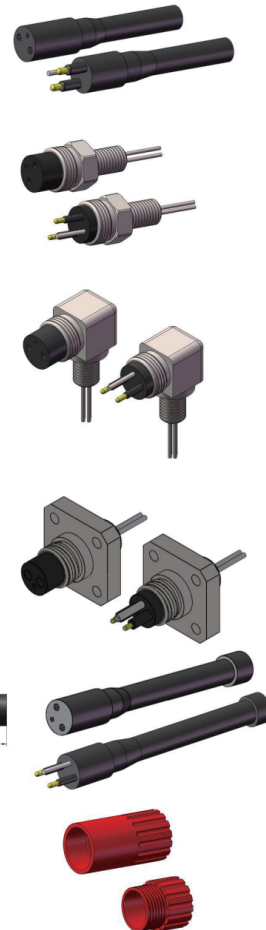
H19G-nJ Male Blank Plug (short-circuitable)




H19DL-F Female Locking Screw Sleeve



H19DL-M Male Locking Screw Sleeve



Model 19 Rubber-Plastic Ethernet Hybrid

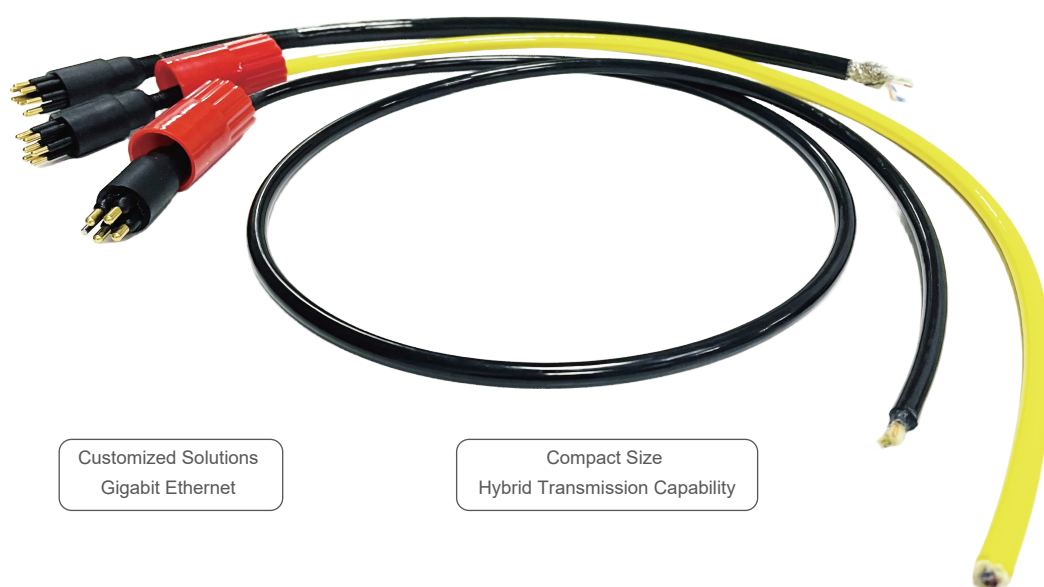
 Rubber & Plastic 19-Type Ethernet Hybrid Series

Performance Parameters

Contact Configuration	3 ~ 9 Pin
Contact Resistance	$\leq 10 \text{ m}\Omega$
Insulation Resistance:	$\geq 500 \text{ M}\Omega$
Dielectric Withstanding Voltage	$\leq 2500 \text{ V/DC}$, 1 min
Current Rating per Contact	Power Contacts $\leq 3 \text{ A}$, Signal Contacts $\leq 2 \text{ A}$ (Total Connector Current $\leq 20 \text{ A}$)
Mechanical Life	≥ 500 cycles
Factory Hydrostatic Pressure Test	Standard 45 MPa, up to 80 MPa available by customization
Operating Temperature	$-25^{\circ}\text{C} \sim 80^{\circ}\text{C}$

Material Specifications

Connector Body	Neoprene Rubber
Housing Material	Standard Stainless Steel 316L, Titanium Alloy TC4 available by customization
Contacts	Gold Plated Brass
Alignment Pin	Stainless Steel 316L
O-ring Seal	Neoprene Rubber
Locking Nut	Engineering Plastic
Circlip	Stainless Steel AISI 302



Customized Solutions
Gigabit Ethernet

Compact Size
Hybrid Transmission Capability

The pictures are for reference only

Contact Arrangement (Pin Type)



Contacts: 3 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 250V DC/AC rms
 Dielectric Withstanding Voltage: 2500V/DC



Contacts: 4 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 250V DC/AC rms
 Dielectric Withstanding Voltage: 2500V/DC



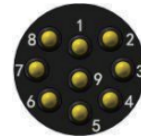
Contacts: 5 Pin
 Current Rating per Contact: ≤ 3A (Power)
 Current Rating per Contact: ≤ 2A(Signal)
 Working Voltage: ≤ 300V DC/AC rms(Power)
 Working Voltage: ≤ 250V DC/AC rms(Signal)
 Dielectric Withstanding Voltage: 2000V/DC



Contacts: 6 Pin
 Current Rating per Contact: ≤ 3A (Power)
 Current Rating per Contact: ≤ 2A(Signal)
 Working Voltage: ≤ 300V DC/AC rms(Power)
 Working Voltage: ≤ 250V DC/AC rms(Signal)
 Dielectric Withstanding Voltage: 2000V/DC



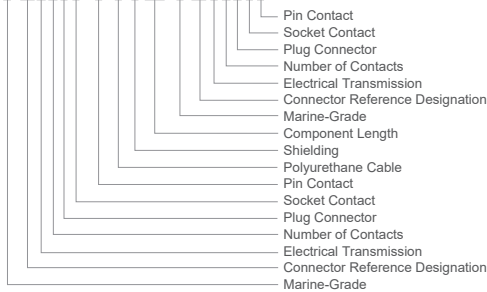
Contacts: 8 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 250V DC/AC rms
 Dielectric Withstanding Voltage: 2000V/DC



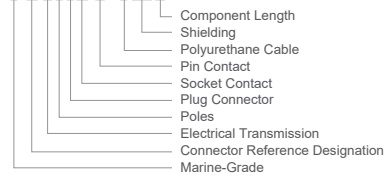
Contacts: 9 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 250V DC/AC rms
 Dielectric Withstanding Voltage: 1000V/DC

Product Introduction

H19EnTK (J)-PSLm-H19EnTK (J)

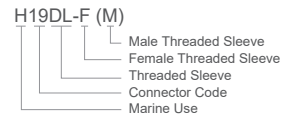
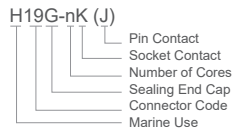
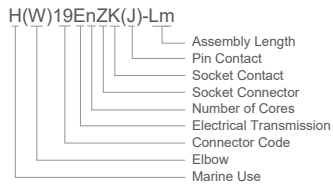


H19EnTK(J)-PSLm



Double-head
Component

Single-head
Component



Socket Component

Waterproof Plug

Locking Threaded Sleeve

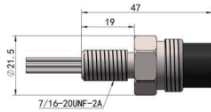
Connector's Outline Dimensions



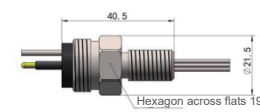
H19EnTK-RLm Female Plug



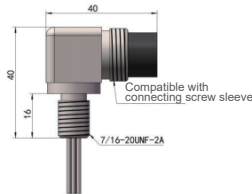
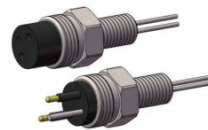
H19EnTJ-RLm Male Plug



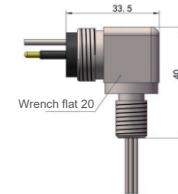
H19EnZK-Lm Female Socket



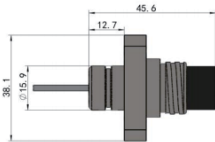
H19EnZJ-Lm Male Socket



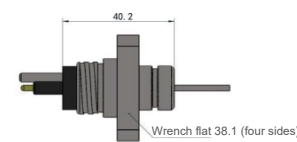
HW19EnZK-Lm Female Socket



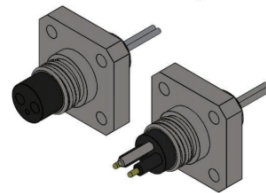
HW19EnZJ-Lm Male Socket



H19EnZFK-Lm Female Socket



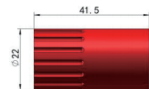
H19EnZFJ-Lm Male Socket



H19G-nK Female Blank Plug (short-circuitable)



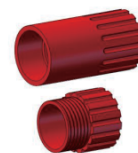
H19G-nJ Male Blank Plug (short-circuitable)



H19DL-F Female Locking Screw Sleeve



H19DL-M Male Locking Screw Sleeve



The pictures are for reference only

Model 33 Rubber-Plastic Power Series

 Rubber & Plastic 33-Type Power Series

Performance Parameters

Contact Configuration	2 ~ 16 Pin
Contact Resistance	≤ 10 mΩ
Insulation Resistance:	≥ 1000 MΩ
Dielectric Withstanding Voltage	≤ 3000 V/DC, 1 min
Current Rating per Contact	≤ 15 A (Total Connector Current ≤ 30 A) 20 A per contact available by customization
Mechanical Life	≥ 500 cycles
Factory Hydrostatic Pressure Test	Standard 45 MPa, up to 120 MPa available by customization
Operating Temperature	-25°C ~ 80°C

Material Specifications

Connector Body	Neoprene Rubber
Shell Material	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Contact	Gold Plated Brass
Locating Pin	Stainless Steel 316L
O-ring	Nitrile Rubber / Neoprene Rubber
Locking Nut	Engineering Plastic
Circlip	Stainless Steel AISI 302

Any Configuration, Any Direction

Custom-gendered plugs and sockets available.



The pictures are for reference only

Contact Arrangement (Pin Type)



Conductor Count: 2 Pin
 Current Rating per Core: ≤15A
 Working Voltage: ≤600V DC/AC rms
 Dielectric Withstanding Voltage: 3000V DC



Conductor Count: 3 Pin
 Current Rating per Core: ≤10A
 Working Voltage: ≤600V DC/AC rms
 Dielectric Withstanding Voltage: 3000V DC



Conductor Count: 4 Pin
 Current Rating per Core: ≤10A
 Working Voltage: ≤600V DC/AC rms
 Dielectric Withstanding Voltage: 3000V DC



Conductor Count: 5 Pin
 Current Rating per Core: ≤10A
 Working Voltage: ≤600V DC/AC rms
 Dielectric Withstanding Voltage: 3000V DC



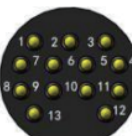
Conductor Count: 8 Pin
 Current Rating per Core: ≤5A
 Working Voltage: ≤300V DC/AC rms
 Dielectric Withstanding Voltage: 3000V DC



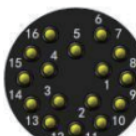
Conductor Count: 10 Pin
 Current Rating per Core: ≤3A
 Working Voltage: ≤300V DC/AC rms
 Dielectric Withstanding Voltage: 1000V DC



Conductor Count: 12 Pin
 Current Rating per Core: ≤3A
 Working Voltage: ≤300V DC/AC rms
 Dielectric Withstanding Voltage: 2000V DC



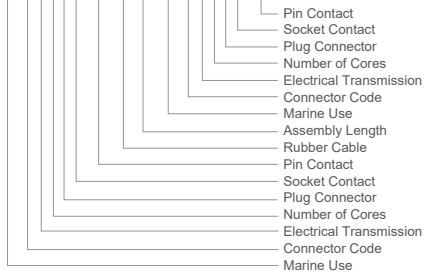
Conductor Count: 13 Pin
 Current Rating per Core: ≤3A
 Working Voltage: ≤300V DC/AC rms
 Dielectric Withstanding Voltage: 1000V DC



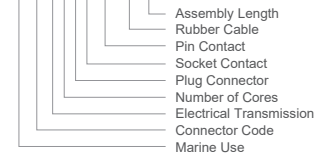
Conductor Count: 16 Pin
 Current Rating per Core: ≤3A
 Working Voltage: ≤300V DC/AC rms
 Dielectric Withstanding Voltage: 1000V DC

Product Introduction

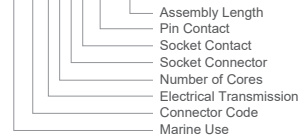
H33EnTK (J)-RLm-H33EnTK (J)



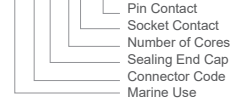
H33EnTK(J)-RLm



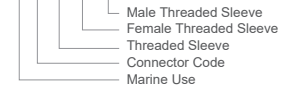
H33EnZK(J)-Lm



H33G-nK (J)



H33DL-F (M)



Double-head Component

Single-head Component

Socket Component

Waterproof Plug

Locking Threaded Sleeve

Connector's Outline Dimensions



The pictures are for reference only

Model 33 Rubber-Plastic Ethernet Hybrid Series

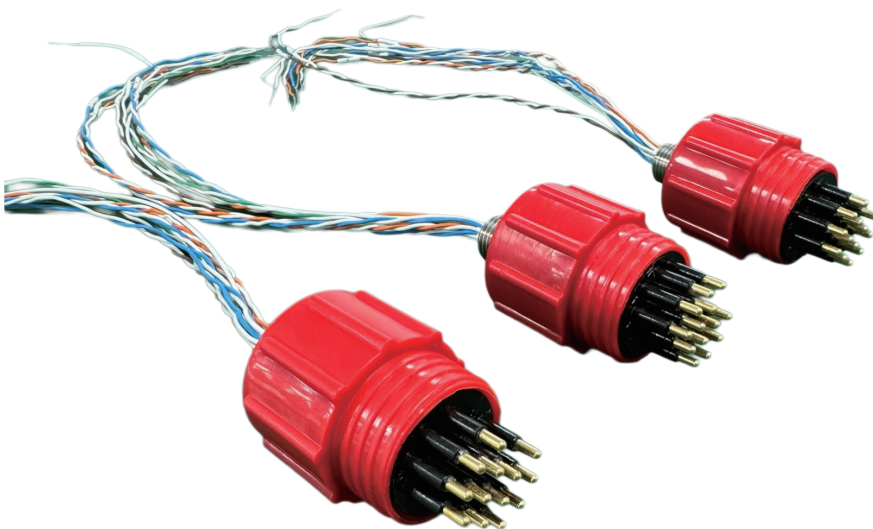
 Rubber & Plastic Type 33 Ethernet Composite Series

Performance Parameters

Contact Configuration	4~16 Pin
Contact resistance	≤10 mΩ
Insulation resistance	≥1000 MΩ
Dielectric withstand voltage	≤3000V/DC (1min)
Single-core current	Power Line ≤15A, Signal Line ≤2A, (Total Connector Current ≤30A), Power Line can be customized to 20A
Mechanical life	≥500 cycles
Water pressure test	45MPa (120MPa customizable)
Operating Temperature	-25°C ~ 80°C

Material Specifications

Connector Body	Neoprene Rubber
Shell Material	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Contact	Gold Plated Brass
Locating Pin	Stainless Steel 316L
O-ring	Nitrile Rubber / Neoprene Rubber
Locking Nut	Engineering Plastic
Circlip	Stainless Steel AISI 302

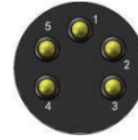


The pictures are for reference only

Contact Arrangement (Pin Type)



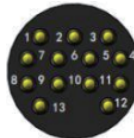
Conductor Count: 4 Pin
 Current Rating per Core: ≤15A (Power Line)
 Current Rating per Core: ≤2A (Signal Line)
 Working Voltage: ≤600V DC/AC rms (Power Line)
 ≤250V DC/AC rms (Signal Line)
 Dielectric Withstanding Voltage: 3000V DC



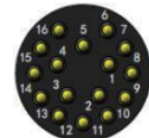
Conductor Count: 5 Pin
 Current Rating per Core: ≤15A (Power Line)
 Current Rating per Core: ≤2A (Signal Line)
 Working Voltage: ≤600V DC/AC rms (Power Line)
 ≤250V DC/AC rms (Signal Line)
 Dielectric Withstanding Voltage: 3000V DC



Conductor Count: 8 Pin
 Current Rating per Core: ≤2A
 Working Voltage: ≤250V DC/AC rms
 Dielectric Withstanding Voltage: 3000V DC



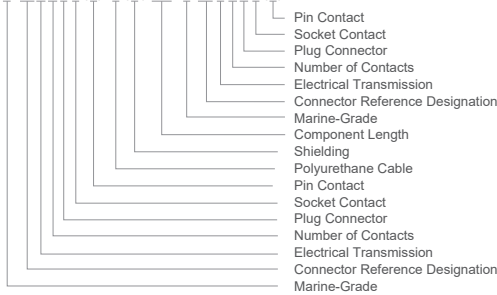
Conductor Count: 13 Pin
 Current Rating per Core: 10A (Power Line)
 Current Rating per Core: 2A (Signal Line)
 Working Voltage: ≤600V DC/AC rms (Power Line)
 ≤250V DC/AC rms (Signal Line)
 Dielectric Withstanding Voltage: 1000V DC



Conductor Count: 16 Pin
 Current Rating per Core: ≤2A
 Working Voltage: ≤250V DC/AC rms
 Dielectric Withstanding Voltage: 1000V DC

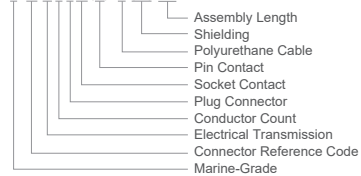
Product Introduction

H33EnTK(J)-P(S)Lm-H33EnTK(J)

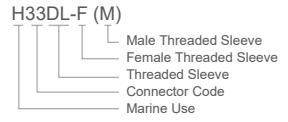
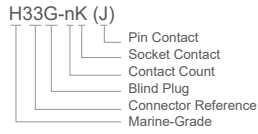
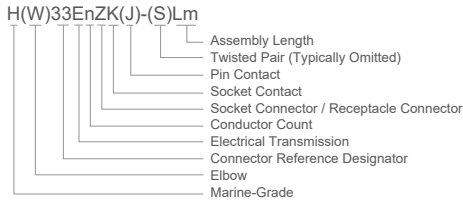


Double-head Component

H33EnTK(J)-P(S)Lm



Single-head Component



Socket Component

Waterproof Plug

Locking Threaded Sleeve

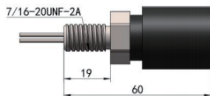
Connector's Outline Dimensions



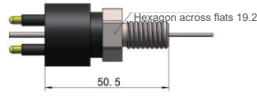
H33EnTK-PSLm Female Plug



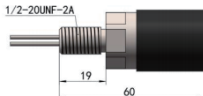
H33EnTJ-PSLm Male Plug



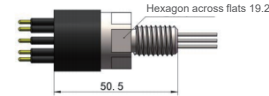
H33EnZK-SLm Female Socket
(2 Pin/3 Pin/4 Pin/5 Pin/8 Pin)



H33EnZJ-SLm Male Socket
(2 Pin/3 Pin/4 Pin/5 Pin/8 Pin)



HW33EnZK-SLm Female Socket
(10 Pin/12 Pin/13 Pin/16 Pin)



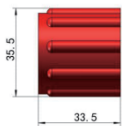
H33EnZJ-SLm Male Socket
(10 Pin/12 Pin/13 Pin/16 Pin)



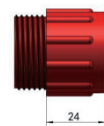
H33G-nK Female Blank Plug (short-circuitable)



H33G-nJ Male Blank Plug (short-circuitable)



H33DL-F Female Locking Screw Sleeve



H33DL-M Male Locking Screw Sleeve



Model 41 Rubber-Plastic Ethernet Hybrid

 Rubber-Plastic Type 41 Power Series

Performance Parameters

Contact Configuration	2 ~ 21 Pin
Contact Resistance	≤ 10 mΩ
Insulation Resistance:	≥ 1000 MΩ
Dielectric Withstanding Voltage	≤ 3000 V/DC, 1 min
Current Rating per Contact	≤20A (total connector current ≤50A); 25A available for custom single-core
Mechanical Life	≥ 500 cycles
Factory Hydrostatic Pressure Test	Standard 45 MPa, up to 120 MPa available by customization
Operating Temperature	-25°C ~ 80°C

Material Specifications

Connector Body	Neoprene Rubber
Shell Material	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Contact	Gold Plated Brass
Locating Pin	Stainless Steel 316L
O-ring	Nitrile Rubber / Neoprene Rubber
Locking Nut	Engineering Plastic
Circlip	Stainless Steel AISI 302



The pictures are for reference only

Contact Arrangement (Pin Type)



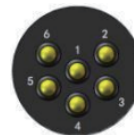
Contacts: 2 Pin
 Current Rating Per Contact: $\leq 20A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Withstanding Voltage: 3000V/DC



Contacts: 3 Pin
 Current Rating per Contact: $\leq 15A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Withstanding Voltage: 3000V/DC



Contacts: 4 Pin
 Current Rating per Contact: $\leq 15A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Withstanding Voltage: 3000V/DC



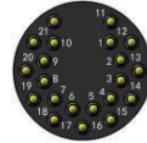
Contacts: 6 Pin
 Current Rating per Contact: $\leq 15A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Withstanding Voltage: 3000V/DC



Contacts: 8 Pin
 Current Rating per Contact: $\leq 15A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Withstanding Voltage: 2000V/DC



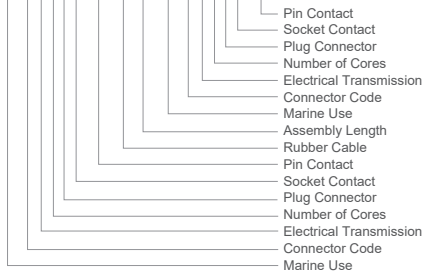
Contacts: 10 Pin
 Current Rating per Contact: $\leq 10A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Withstanding Voltage: 2000V/DC



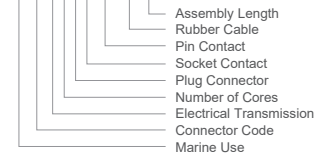
Contacts: 21 Pin
 Current Rating per Contact: $\leq 3A$
 Working Voltage: $\leq 300V$ DC/AC rms
 Dielectric Withstanding Voltage: 1000V/DC

Product Introduction

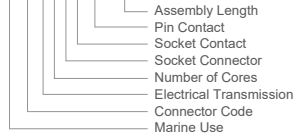
H41EnTK (J)-RLm-H41EnTK (J)



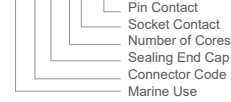
H41EnTK(J)-RLm



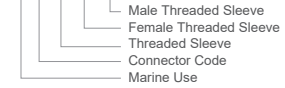
H41EnZK(J)-Lm



H41G-nK (J)



H41DL-F (M)



Double-head Component

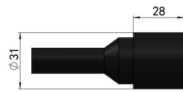
Single-head Component

Socket Component

Waterproof Plug

Locking Threaded Sleeve

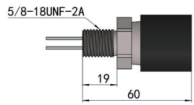
Connector's Outline Dimensions



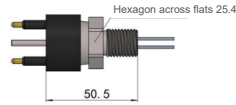
H41EnTK-RLm Female Plug



H41EnTJ-RLm Male Plug



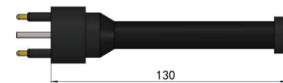
H41EnZK-SLm Female Socket



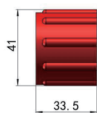
H41EnZJ-Lm Male Socket



H41G-nK Female Blank Plug (short-circuitable)



H41G-nK Male Blank Plug (short-circuitable)



H41DL-F Female Locking Screw Sleeve



H41DL-M Male Locking Screw Sleeve



Rubber & Plastic Type 41 Ethernet Composite Series

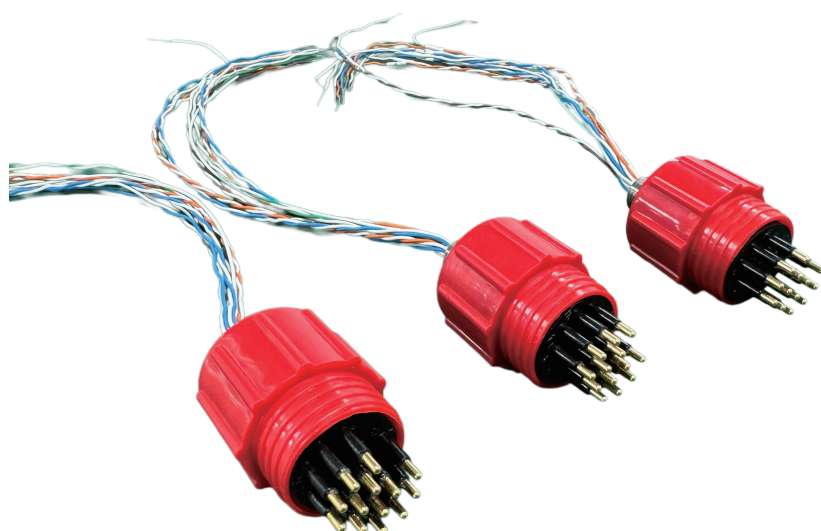
 Rubber & Plastic Type 41 Ethernet Composite Series

Performance Parameters

Contact Configuration	2~21 Pin
Contact resistance	≤10 mΩ
Insulation resistance	≥1000 MΩ
Dielectric withstand voltage	≤3000V/DC (1min)
Single-core current	Power Line ≤20A, Signal Line ≤1A, (Total Connector Current ≤50A), Power Line can be customized to 25A
Mechanical life	≥500 cycles
Water pressure test	45MPa (120MPa customizable)
Operating Temperature	-25°C ~ 80°C

Material Specifications

Connector Body	Neoprene Rubber
Shell Material	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Contact	Gold Plated Brass
Locating Pin	Stainless Steel 316L
O-ring	Nitrile Rubber / Neoprene Rubber
Locking Nut	Engineering Plastic
Circlip	Stainless Steel AISI 302



Custom Design

Large Depth
Gigabit Ethernet Transmission

The pictures are for reference only

Contact Arrangement (Pin Type)



Number of cores: 4 cores
 Single-core current-carrying capacity: ≤20A (power cord)
 Single-core current-carrying capacity: ≤1A (signal line)
 Operating voltage: ≤600VDC/ACrms (power cord)
 ≤250VDC/ACrms (signal line)
 Dielectric withstand voltage: 3000V/DC



Number of cores: 6 cores
 Single-core current-carrying capacity: ≤20A (power cord)
 Single-core current-carrying capacity: ≤1A (signal line)
 Operating voltage: ≤600VDC/ACrms (power cord)
 ≤250VDC/ACrms (signal line)
 Dielectric withstand voltage: 3000V/DC



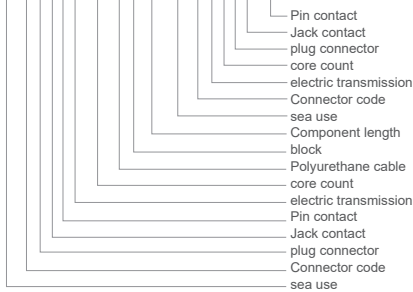
Number of cores: 8 cores
 Single-core current-carrying capacity: ≤15A (power cord)
 Single-core current-carrying capacity: ≤1A (signal line)
 Operating voltage: ≤600VDC/ACrms (power cord)
 ≤250V DC/AC rms (signal line)
 Dielectric withstanding voltage: 2000V/DC



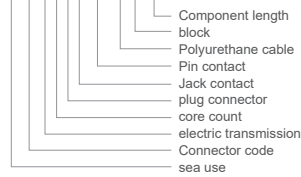
Number of cores: 10 cores
 Single-core current-carrying capacity: ≤15A (power cord)
 Single-core current-carrying capacity: ≤1A (signal line)
 Operating voltage: ≤600VDC/ACrms (power cord)
 ≤250V DC/AC rms (signal line)
 Dielectric withstanding voltage: 2000V/DC

Product Introduction

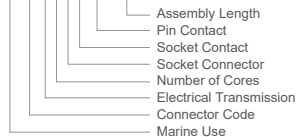
H41EnTK (J)-PSLm-H41EnTK (J)



H41EnTK(J)-PSLm



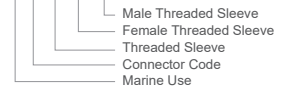
H41EnZK(J)-Lm



H41G-nK (J)



H41DL-F (M)



Double-head
Component

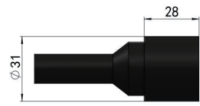
Single-head
Component

Socket
Component

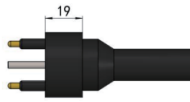
Waterproof
Plug

Locking Threaded
Sleeve

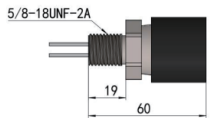
Connector's Outline Dimensions



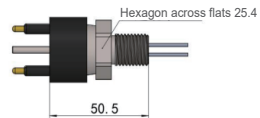
H41EnTK-PSLm Female Plug



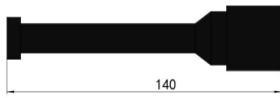
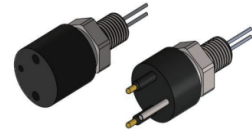
H41EnTJ-PSLm Male Plug



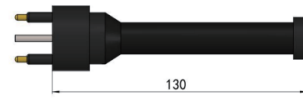
H41EnZK-SLm Female Socket



H41EnZJ-SLm Male Socket



H41G-nK Female Blank Plug (short-circuitable)



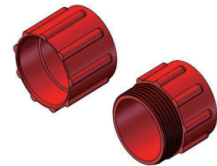
H41G-nK Male Blank Plug (short-circuitable)



H41DL-F Female Locking Screw Sleeve



H41DL-M Male Locking Screw Sleeve



Model 60 Rubber-Plastic Power Series

 Rubber & Plastic Type 60 Power Series

Performance Parameters

Contact Configuration	4~16 Pin
Contact Resistance	≤ 10 mΩ
Insulation Resistance:	≥ 1000 MΩ
Dielectric Withstanding Voltage	≤ 3000 V/DC, 1 min
Current Carrying Capacity	Water: ≤50A (4 Pin, Total Connector Current ≤200A), Air: ≤28A (4 Pin, Total Connector Current ≤112A) ≤10A (12 Pin / 16 Pin, Total Connector Current ≤60A)
Mechanical Life	≥ 500 cycles
Factory Hydrostatic Pressure Test	Standard 45 MPa, up to 75 MPa available by customization
Operating Temperature	-25°C ~ 80°C

Material Specifications

Connector Body	Neoprene Rubber
Shell Material	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Contact	Gold Plated Brass
Locating Pin	Stainless Steel 316L
O-ring	Nitrile Rubber / Neoprene Rubber
Locking Nut	Engineering Plastic
Circlip	Stainless Steel AISI 302



The pictures are for reference only

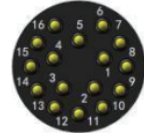
Contact Arrangement (Pin Type)



Conductor Count: 4 Pin
 Current Rating per Core: ≤50A
 Working Voltage: ≤600V DC/AC rms
 Dielectric Withstanding Voltage: 3000V DC



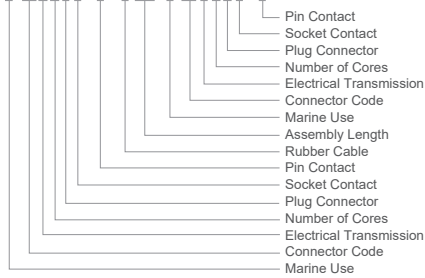
Conductor Count: 12 Pin
 Current Rating per Core: ≤10A
 Working Voltage: ≤600V DC/AC rms
 Dielectric Withstanding Voltage: 2000V DC



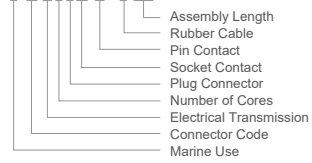
Conductor Count: 16 Pin
 Current Rating per Core: ≤10A
 Working Voltage: ≤300V DC/AC rms
 Dielectric Withstanding Voltage: 2000V DC

Product Introduction

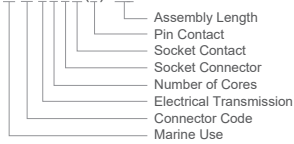
H60EnTK (J)-RLm-H60EnTK (J)



H60EnTK(J)-RLm



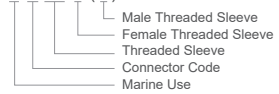
H60EnZK(J)-Lm



H60G-nK (J)



H60DL-F (M)



Double-head
Component

Single-head
Component

Socket
Component

Waterproof
Plug

Locking Threaded
Sleeve

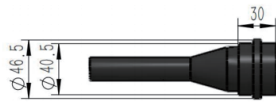
Connector's Outline Dimensions



H60EnTK-RLm Female Plug (4 Pin)



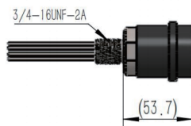
H60EnTJ-RLm Male Plug(4 Pin)



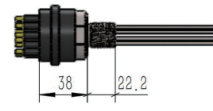
H60EnTK-RLm Female Socket(12 Pin / 16 Pin)



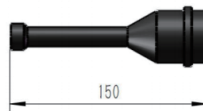
H60EnTJ-RLm Male Socket(12 Pin / 16 Pin)



H60EnZK-Lm Female Socket



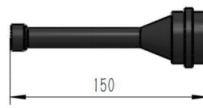
H60EnZJ-Lm Male Socket



H60G-nJ Female Blank Plug (4 Pin)(short-circuitable)



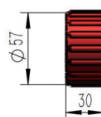
H60G-nJ Male Blank Plug(4 Pin) (short-circuitable)



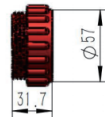
H60G-nK Female Blank Plug (12 Pin / 16 Pin)(short-circuitable)



H60G-nJ Male Blank Plug (12 Pin / 16 Pin)(short-circuitable)



H60DL-F Female Locking Screw Sleeve



H60DL-M Male Locking Screw Sleeve



01SH

Shallow Water Metal Series Optical & Electrical Connector Assemblies

Product Introduction

Applications

Provides link transmission for instruments and equipment in shallow water environments, such as underwater cameras, lighting, sensors, and other devices.

Features

Compact design, diverse contact configurations, high cost-effectiveness.



The pictures are for reference only

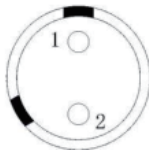
Performance Parameters

Contact Configuration	2~7 pin
Contact Resistance	≤ 10 mΩ
Insulation Resistance	≥ 500 MΩ
Dielectric Withstanding Voltage	≤ 1000V DC, 1 min
Current Rating per Contact	≤5A (Total Connector Current ≤10A)
Mechanical Life	≥ 300 mating cycles
Factory Pressure Test	3MPa(Lateral)
Operating Temperature	-35°C to +85°C

Material Specifications

Connector Shell	Stainless Steel 316L (Material customizable)
Contacts	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable

Contact Arrangement (Plug Side)



Contacts: 2 Pin

Current Rating per Contact: ≤ 5A

Working Voltage: ≤ 350V DC/AC rms

Dielectric Withstanding Voltage: 1050V/DC

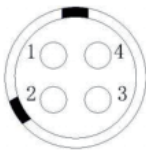


Contacts: 3 Pin

Current Rating per Contact: ≤ 4A

Working Voltage: ≤ 300V DC/AC rms

Dielectric Withstanding Voltage: 900V/DC



Contacts: 4 Pin

Current Rating per Contact: ≤ 3A

Working Voltage: ≤ 200V DC/AC rms

Dielectric Withstanding Voltage: 700V/DC



Contacts: 5 Pin

Current Rating per Contact: ≤ 3A

Working Voltage: ≤ 200V DC/AC rms

Dielectric Withstanding Voltage: 700V/DC



Contacts: 7 Pin

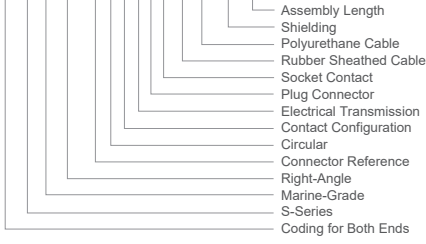
Current Rating per Contact: ≤ 1A

Working Voltage: ≤ 200V DC/AC rms

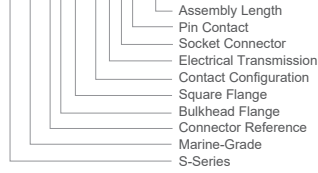
Dielectric Withstanding Voltage: 700V/DC

Product Introduction

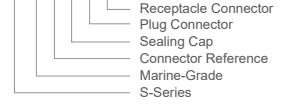
2MQH(W)12YmETK-R(P)(S)Lm



MQH12I(F)mEZJ-Lm



MQH12G-T(Z)

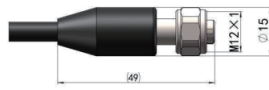


Plug Assembly Model

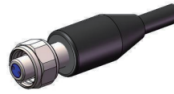
Designation Receptacle Model

Designation Sealing Cap Model

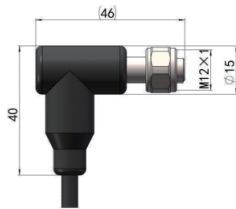
Connector's Outline Dimensions



MQH12YnETK-R(P)(S)Lm Plug



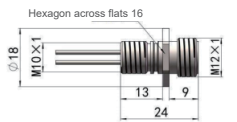
Recommended Cable Outer Diameter ≤ Ø5.5mm



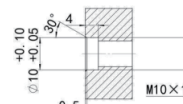
MQHW12YnETK-R(P)(S)Lm Right-Angle Plug



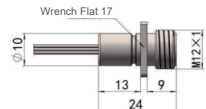
Recommended Cable Outer Diameter ≤ Ø5.5mm



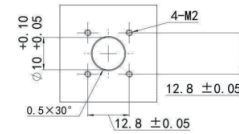
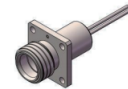
MQH12InEZJ-Lm Bulkhead Receptacle



Mounting Hole Size



MQH12FnEZJ-Lm Square Receptacle



Mounting Hole Size



MQH12G-T Plug Protective Cap



MQH12G-Z Receptacle Protective Cap



02SH

Shallow Water Metal Series Optical & Electrical Connector Assemblies

Shallow Water Metal 02SH Series Connector Assemblies

Performance Parameters

Contact Configuration	2~10 pin
Contact Resistance	≤ 10 mΩ
Insulation Resistance	≥ 500 MΩ
Dielectric Withstanding Voltage	≤ 1350V DC, 1 min
Current Rating per Contact	≤10A (Total Connector Current ≤20A)
Mechanical Life	≥ 500 mating cycles
Factory Pressure Test	3MPa(Lateral)
Operating Temperature	-35°C to +85°C

Material Specifications

Connector Shell	Stainless Steel 316L (Material customizable)
Contacts	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable



Compact Size Multi-Core Customization

The pictures are for reference only

Contact Arrangement (Plug Side)



Contacts: 2 Pin

Current Rating per Contact: $\leq 10A$
 Working Voltage: $\leq 400V$ DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 3 Pin

Current Rating per Contact: $\leq 10A$
 Working Voltage: $\leq 400V$ DC/AC rms
 Dielectric Withstanding Voltage: 1300V/DC



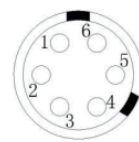
Contacts: 4 Pin

Current Rating per Contact: $\leq 5A$
 Working Voltage: $\leq 400V$ DC/AC rms
 Dielectric Withstanding Voltage: 1300V/DC



Contacts: 5 Pin

Current Rating per Contact: $\leq 3A$
 Working Voltage: $\leq 380V$ DC/AC rms
 Dielectric Withstanding Voltage: 1150V/DC



Contacts: 6 Pin

Current Rating per Contact: $\leq 3A$
 Working Voltage: $\leq 300V$ DC/AC rms
 Dielectric Withstanding Voltage: 1050V/DC



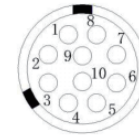
Contacts: 7 Pin

Current Rating per Contact: $\leq 3A$
 Working Voltage: $\leq 300V$ DC/AC rms
 Dielectric Withstanding Voltage: 950V/DC



Contacts: 8 Pin

Current Rating per Contact: $\leq 3A$
 Working Voltage: $\leq 200V$ DC/AC rms
 Dielectric Withstanding Voltage: 950V/DC

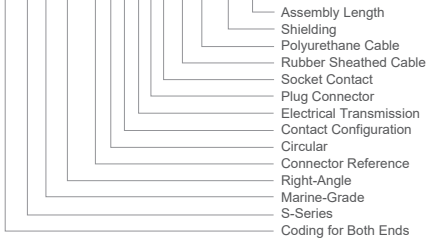


Contacts: 10 Pin

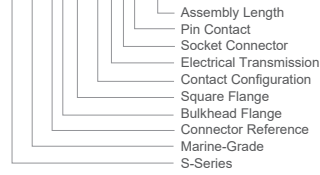
Current Rating per Contact: $\leq 1A$
 Working Voltage: $\leq 250V$ DC/AC rms
 Dielectric Withstanding Voltage: 950V/DC

Product Introduction

2MQH(W)12YmETK-R(P)(S)Lm



MQH12I(F)mEZJ-Lm



MQH12G-T(Z)



Plug Assembly Model

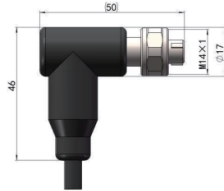
Designation Receptacle Model

Designation Sealing Cap Model

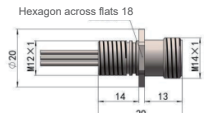
Connector's Outline Dimensions



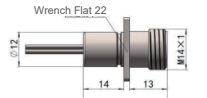
MQH14YnETK-R(P)(S)Lm Plug



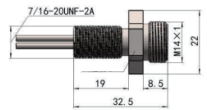
MQHW14YnETK-R(P)(S)Lm Right-Angle Plug



MQH14InEZJ-Lm Bulkhead Receptacle



MQH14FnEZJ-Lm Square Receptacle



MQH14InEZJc-Lm Bulkhead Receptacle



MQH14G-T Plug Protective Cap



MQH14G-Z Receptacle Protective Cap



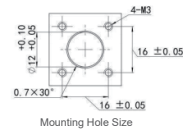
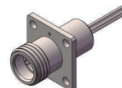
Recommended Cable Outer Diameter $\leq \varnothing 7.5\text{mm}$



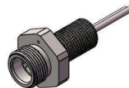
Recommended Cable Outer Diameter $\leq \varnothing 7.5\text{mm}$



Mounting Hole Size



Mounting Hole Size



Mounting Hole Size



03SH

Shallow Water Metal Series Optical & Electrical Connector Assemblies

Shallow Water Metal 03SH Series Connector Assemblies

Performance Parameters

Contact Configuration	1~19 pin
Contact Resistance	$\leq 10 \text{ m}\Omega$
Insulation Resistance	$\geq 500 \text{ M}\Omega$
Dielectric Withstanding Voltage	$\leq 1600\text{V DC, 1 min}$
Current Rating per Contact	$\leq 25\text{A}$ (Total Connector Current $\leq 50\text{A}$)
Mechanical Life	≥ 500 mating cycles
Factory Pressure Test	3MPa(Lateral)
Operating Temperature	-35°C to +85°C

Material Specifications

Connector Shell	Stainless Steel 316L (Material customizable)
Contacts	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable



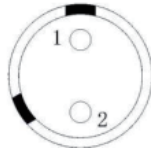
Compact Size Multi-Core Customization

The pictures are for reference only

Contact Arrangement (Plug Side)



Number of Contacts: 1 (Single Coaxial)
 Shielding Effectiveness: >35 dB
 Frequency: <3 GHz



Contacts: 2 Pin
 Current Rating per Contact: ≤ 25A
 Working Voltage: ≤ 500V DC/AC rms
 Dielectric Withstanding Voltage: 1600V/DC



Contacts: 3 Pin
 Current Rating per Contact: ≤ 15A
 Working Voltage: ≤ 500V DC/AC rms
 Dielectric Withstanding Voltage: 1600V/DC



Contacts: 4 Pin
 Current Rating per Contact: ≤ 10A
 Working Voltage: ≤ 500V DC/AC rms
 Dielectric Withstanding Voltage: 1600V/DC



Contacts: 5 Pin
 Current Rating per Contact: ≤ 10A
 Working Voltage: ≤ 500V DC/AC rms
 Dielectric Withstanding Voltage: 1600V/DC



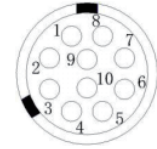
Contacts: 6 Pin
 Current Rating per Contact: ≤ 10A
 Working Voltage: ≤ 400V DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 7 Pin
 Current Rating per Contact: ≤ 10A
 Working Voltage: ≤ 400V DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 8 Pin
 Current Rating per Contact: ≤ 5A
 Working Voltage: ≤ 400V DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 10 Pin
 Current Rating per Contact: ≤ 5A
 Working Voltage: ≤ 400V DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 12 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 400V DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 14 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 300V DC/AC rms
 Dielectric Withstanding Voltage: 1150V/DC



Contacts: 16 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 300V DC/AC rms
 Dielectric Withstanding Voltage: 950V/DC



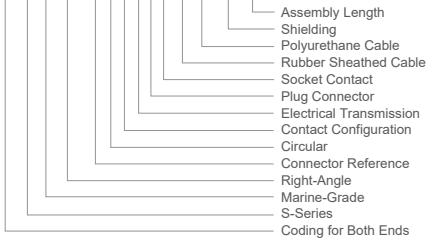
Contacts: 18 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 250V DC/AC rms
 Dielectric Withstanding Voltage: 850V/DC



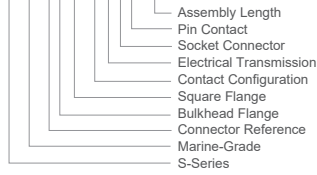
Contacts: 19 Pin
 Current Rating per Contact: ≤ 2A
 Working Voltage: ≤ 250V DC/AC rms
 Dielectric Withstanding Voltage: 850V/DC

Product Introduction

2MQH(W)16YmETK-R(P)(S)Lm



MQH16I(F)mEZJ-Lm



MQH16G-T(Z)



Plug Assembly Model

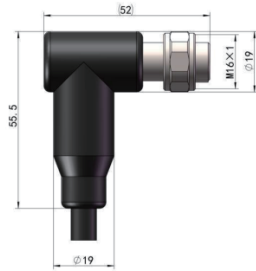
Designation Receptacle Model

Designation Sealing Cap Model

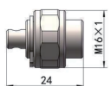
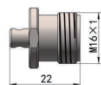
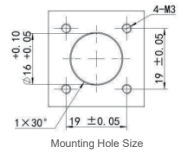
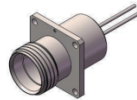
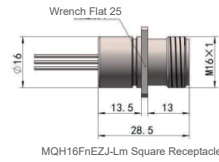
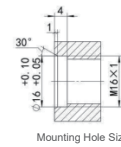
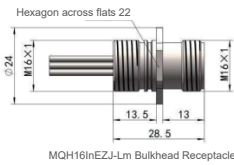
Connector's Outline Dimensions



Recommended Cable Outer Diameter ≤ Ø10mm



Recommended Cable Outer Diameter ≤ Ø10mm



04SH

Shallow Water Metal Series Optical & Electrical Connector Assemblies

Shallow Water Metal 04SH Series Connector Assemblies

Performance Parameters

Contact Configuration	2~30 pin
Contact Resistance	≤ 10 mΩ
Insulation Resistance	≥ 500 MΩ
Dielectric Withstanding Voltage	≤ 1600V DC, 1 min
Current Rating per Contact	≤30A (Total Connector Current ≤70A)
Mechanical Life	≥ 500 mating cycles
Factory Pressure Test	3MPa(Lateral)
Operating Temperature	-35°C to +85°C

Material Specifications

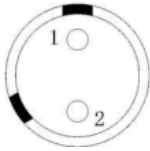
Connector Shell	Stainless Steel 316L (Material customizable)
Contacts	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable



Compact Size Multi-Core Customization

The pictures are for reference only

Contact Arrangement (Plug Side)



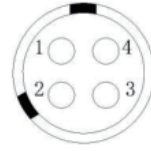
Contacts: 2 Pin

Current Rating per Contact: $\leq 30A$
 Working Voltage: $\leq 500V$ DC/AC rms
 Dielectric Withstanding Voltage: 1600V/DC



Contacts: 3 Pin

Current Rating per Contact: $\leq 25A$
 Working Voltage: $\leq 500V$ DC/AC rms
 Dielectric Withstanding Voltage: 1600V/DC



Contacts: 4 Pin

Current Rating per Contact: $\leq 15A$
 Working Voltage: $\leq 500V$ DC/AC rms
 Dielectric Withstanding Voltage: 1600V/DC



Contacts: 5 Pin

Current Rating per Contact: $\leq 15A$
 Working Voltage: $\leq 500V$ DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 6 Pin

Current Rating per Contact: $\leq 15A$
 Working Voltage: $\leq 400V$ DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 8 Pin

Current Rating per Contact: $\leq 10A$
 Working Voltage: $\leq 500V$ DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 10 Pin

Current Rating per Contact: $\leq 10A$
 Working Voltage: $\leq 400V$ DC/AC rms
 Dielectric Withstanding Voltage: 1350V/DC



Contacts: 10 Pin(2 Pin+8 Pin)

Current Rating per Contact: $\leq 15A$ (Power)
 $\leq 1A$ (Signal)
 Working Voltage: $\leq 300V$ DC/AC rms(Power)
 $\leq 250V$ DC/AC rms(Signal)
 Dielectric Withstanding Voltage: 1000V/DC



Contacts: 10 Pin(2 Pin+8 Pin)

Current Rating per Contact: $\leq 25A$ (Power)
 $\leq 1A$ (Signal)
 Working Voltage: $\leq 250V$ DC/AC rms(Power)
 $\leq 200V$ DC/AC rms(Signal)
 Dielectric Withstanding Voltage: 900V/DC

Contact Arrangement (Plug Side)



Contacts: 12 Pin

Current Rating per Contact: $\leq 5A$

Working Voltage: $\leq 300V$ DC/AC rms

Dielectric Withstanding Voltage: 1000V/DC



Contacts: 14 Pin

Current Rating per Contact: $\leq 5A$

Working Voltage: $\leq 300V$ DC/AC rms

Dielectric Withstanding Voltage: 1000V/DC



Contacts: 16 Pin

Current Rating per Contact: $\leq 5A$

Working Voltage: $\leq 300V$ DC/AC rms

Dielectric Withstanding Voltage: 900V/DC



Contacts: 18 Pin

Current Rating per Contact: $\leq 5A$

Working Voltage: $\leq 300V$ DC/AC rms

Dielectric Withstanding Voltage: 900V/DC



Contacts: 22 Pin

Current Rating per Contact: $\leq 2A$

Working Voltage: $\leq 200V$ DC/AC rms

Dielectric Withstanding Voltage: 700V/DC



Contacts: 24 Pin

Current Rating per Contact: $\leq 2A$

Working Voltage: $\leq 200V$ DC/AC rms

Dielectric Withstanding Voltage: 700V/DC



Contacts: 26 Pin

Current Rating per Contact: $\leq 2A$

Working Voltage: $\leq 200V$ DC/AC rms

Dielectric Withstanding Voltage: 700V/DC



Contacts: 30 Pin

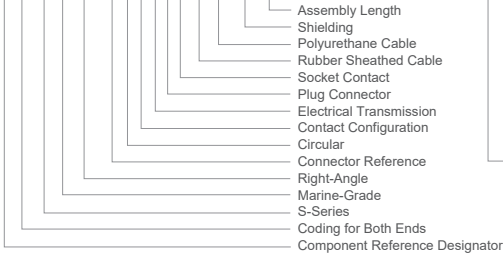
Current Rating per Contact: $\leq 2A$

Working Voltage: $\leq 200V$ DC/AC rms

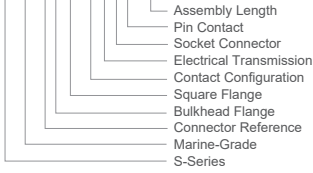
Dielectric Withstanding Voltage: 700V/DC

Product Introduction

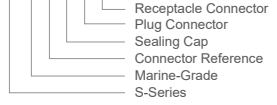
Z-2MQH(W)20YmETK-R(P)(S)Lm



MQH20I(F)mEZJ-Lm



MQH20G-T(Z)

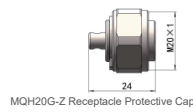
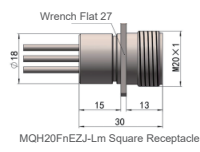
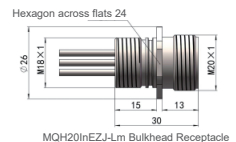
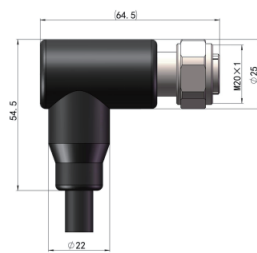


Plug Assembly Model

Designation Receptacle Model

Designation Sealing Cap Model

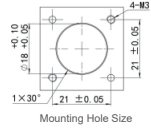
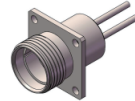
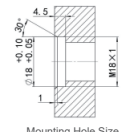
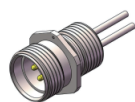
Connector's Outline Dimensions



Recommended Cable Outer Diameter ≤ Ø13.5mm




Recommended Cable Outer Diameter ≤ Ø13.5mm



Shallow Water Metal 02SS Pure Fiber Optic Assembly

Shallow Water Metal Series Optical & Electrical Connector Assemblies

 Shallow Water Metal 02SS Series All-Optical Assemblies

Performance Parameters

Contact Configuration	1 Optical Channel
Insertion Loss	1.2dB Standard / 0.35dB Low Loss (1310nm); 1.0dB Standard / 0.25dB Low Loss (1550nm)
Mechanical Life	≥500 cycles
Factory Test Pressure	3MPa
Operating Temperature	-35 C to 85 C

Material Specifications

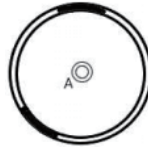
Connector Shell	Stainless Steel 316L, Customizable Titanium Alloy TC4
Optical Contact	Zirconia Ceramic Ferrule
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable



Compact Size | Long-Distance Transmission

The pictures are for reference only

Contact Arrangement (Plug Side)



Configuration: Single Optical
 Channel Type: Single-Mode (Multimode Customizable)

Product Introduction

Z-2MQH(W)14YmEnSTK-R(P)(S)Lm

- Assembly Length
- Shielding
- Polyurethane Cable
- Rubber-Sheathed Cable
- Socket Contact
- Plug Connector
- Optical Transmission
- Fiber Count
- Electrical Transmission
- Contact Count
- Circular
- Connector Reference Designator
- Right-Angle
- Marine-Grade
- S-Series
- Paired Coding (Omitted for Single Side)
- Assembly Reference Designator

MQH14I(F)mEnSZJ-Lm

- Assembly Length
- Pin Contact
- Receptacle Connector
- Optical Transmission
- Fiber Count
- Electrical Transmission
- Contact Count
- Square Flange
- Bulkhead Flange
- Connector Reference Designator
- Marine-Grade
- S-Series

MQH14G-T(Z)

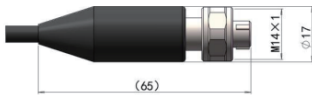
- Receptacle Connector
- Plug Connector
- Sealing Cap
- Connector Reference
- Marine-Grade
- S-Series

Plug Assembly Model

Designation Receptacle Model

Designation Sealing Cap Model

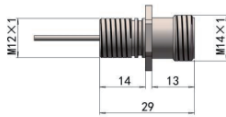
Connector's Outline Dimensions



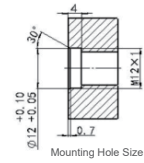
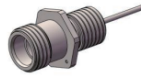
Z-MQH14YmETK-R(P)(S) Plug



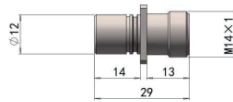
Z-MQHW14YnETK-R(P)(S)Lm Right-Angle Plug



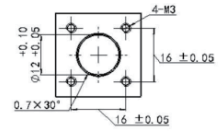
MQH14ImEZJ-Lm Square Receptacle



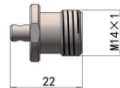
Mounting Hole Size



MQH14FmEZJ-Lm Square Receptacle



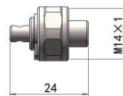
Mounting Hole Size



MQH14G-T Plug Protective Cap



Mounting Hole Size



MQH14G-Z Receptacle Protective Cap



Shallow Water Metal 04SS Series Hybrid Electro-Optical Assembly

Shallow Water Metal Series Optical & Electrical Connector Assemblies

 Shallow Water Metal 04SS Series Hybrid Electro-Optical Assemblies

Performance Parameters

Contact Configuration	2 Fiber / 2 Fiber & 2 Contact
Contact Resistance	$\leq 10 \text{ m}\Omega$
Insulation Resistance	$\geq 500 \text{ M}\Omega$ (Standard), $\geq 300 \text{ M}\Omega$ (Post Environmental Testing)
Dielectric Withstanding Voltage	1600V DC, 1min
Current Rating per Contact	$\leq 10\text{A}$ (Total Connector Current $\leq 20\text{A}$)
Insertion Loss	1.2dB Standard / 0.35dB Low Loss (1310nm); 1.0dB Standard / 0.25dB Low Loss (1550nm)
Mechanical Life	≥ 500 cycles
Factory Test Pressure	3MPa
Operating Temperature	-35 C to 85 C

Material Specifications

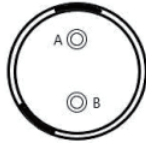
Connector Shell	Stainless Steel 316L, Customizable Titanium Alloy TC4
Optical Contact	Zirconia Ceramic Ferrule
Electrical Contact	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable



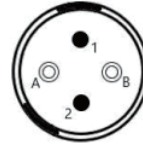
Compact Size | Long-Distance Transmission

The pictures are for reference only

Contact Arrangement (Plug Side)



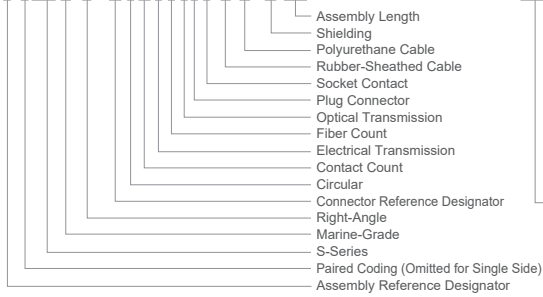
Config: 2 Fiber
Config: 2 Fiber & 2 Contact



Type: Single-Mode (Multimode Customizable)
Type: Single-Mode (Multimode Customizable)
Current per Contact: ≤10A
Working Voltage: ≤500V DC/AC rms
Dielectric Strength: 1600V DC

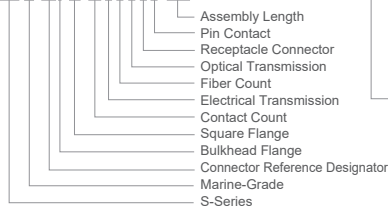
Product Introduction

Z-2MQH(W)20YmEnSTK-R(P)(S)Lm



Plug Assembly Model

MQH20I(F)mEnSZJ-Lm



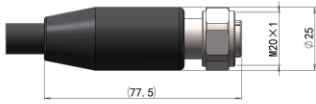
Designation Receptacle Model

MQH20G-T(Z)

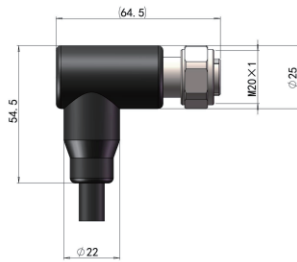
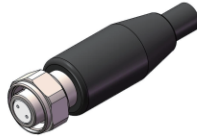


Designation Sealing Cap Model

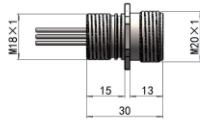
Connector's Outline Dimensions



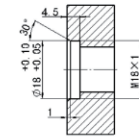
Z-MQH20YmETK-R(P)(S) LM Plug



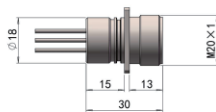
Z-MQHW20YmETK-R(P)(S)Lm Right-Angle Plug



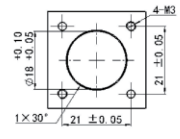
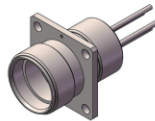
MQH20mEZJ-Lm Square Receptacle



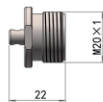
Mounting Hole Size



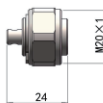
MQH20FmEZJ-Lm Square Receptacle



Mounting Hole Size



MQH20G-T Plug Protective Cap



MQH20G-Z Receptacle Protective Cap



Model 01D Series

Product Introduction

Applications

The Deep Water Metal Series includes the Metal D Series optical/electrical connector Z-2HdYmEnSTK-R (P) SLm Plug Assemblies and the HdYmEnSZJ-Lm type Receptacle Assemblies.

Features

Used for optical/electrical signal and power transmission in deep-sea instruments and equipment. Plug/Receptacle assembly configurations and cable tail lengths can be customized per requirements. Standard material is Stainless Steel 316L, customizable to Titanium Alloy TC4. Internal contacts can be freely configured for pure electrical, pure optical, or hybrid electro-optical transmission.



The pictures are for reference only

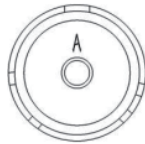
Performance Parameters

Contact Configuration	1~7 Pin
Contact Resistance	≤10 mΩ
Insulation Resistance	≥2000 MΩ (Standard), ≥1000 MΩ (Post Environmental Testing)
Dielectric Withstanding Voltage	1000V DC, 1min
Current Rating per Contact	≤7A
Insertion Loss	1.2dB Standard / 0.35dB Low Loss (1310nm); 1.0dB Standard / 0.25dB Low Loss (1550nm)
Mechanical Life	≥1000 cycles
Factory Test Pressure	Standard 45MPa, Customizable up to 70MPa
Operating Temperature	-45 C to 90 C

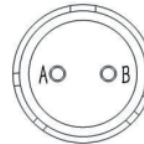
Material Specifications

Connector Shell	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Optical Contact	Alumina Ceramic Ferrule
Electrical Contact	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable

Contact Arrangement (Plug Side)



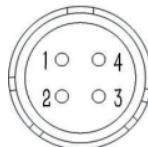
Config: 1 Fiber (φ2.5)
Type: Single/Multimode
Insertion Loss: 1.2dB



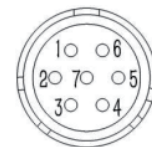
Config: 2 Fiber (φ2.5)
Type: Single/Multimode
Insertion Loss: 1.2dB



Config: 2 Fiber & 2 Contact (φ1.25)
Multimode Current per Contact: 3A
Insertion Loss: 1.2dB
Working Voltage: ≤300V DC/AC rms
Dielectric Strength: 1000V DC



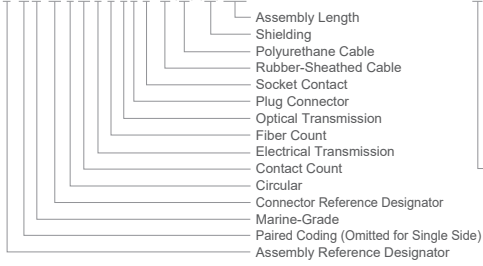
Config: 4 Fiber
Multimode Current per Contact: 7A
Working Voltage: ≤300V DC/AC rms
Dielectric Strength: 1000V DC



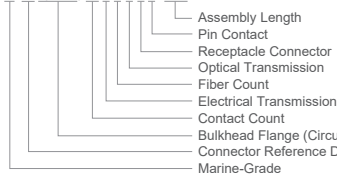
Config: 7 Fiber
Multimode Current per Contact: 5A
Working Voltage: ≤300V DC/AC rms
Dielectric Strength: 1000V DC

Product Introduction

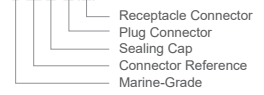
Z-2H18YmEnSTK-R(P)(S)Lm



H18I(Y,F)mEnSZJ-Lm



H18G-T(Z)

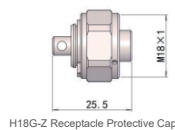
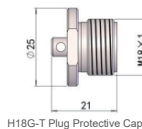
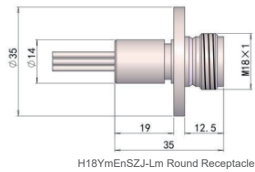
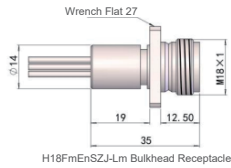
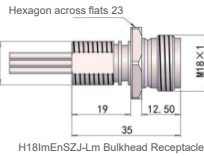
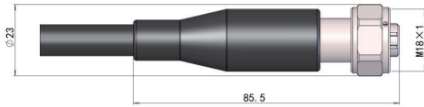


Plug Assembly Model

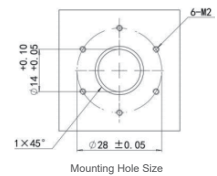
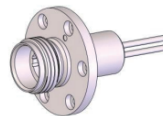
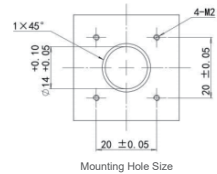
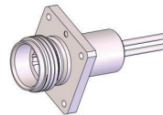
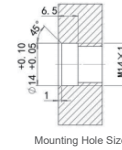
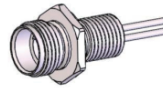
Designation Receptacle Model

Designation Sealing Cap Model


Connector's Outline Dimensions



Recommended Cable Outer Diameter $\leq \varnothing 6.5\text{mm}$



Model 02D Series

 Deep Water Metal O2D Series Assemblies

Performance Parameters

Contact Configuration	2~7 Pin
Contact Resistance	≤10 mΩ
Insulation Resistance	≥2000 MΩ (Standard), ≥1000 MΩ (Post Environmental Testing)
Dielectric Withstanding Voltage	2000V DC, 1min
Current Rating per Contact	≤7A
Insertion Loss	1.2dB Standard / 0.35dB Low Loss (1310nm); 1.0dB Standard / 0.25dB Low Loss (1550nm)
Mechanical Life	≥1000 cycles
Factory Test Pressure	Standard 45MPa, Customizable up to 70MPa
Operating Temperature	-45 °C to 90 °C

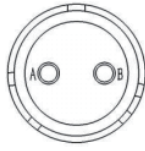
Material Specifications

Connector Shell	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Optical Contact	Alumina Ceramic Ferrule
Electrical Contact	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable

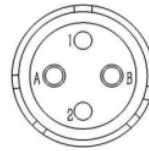


The pictures are for reference only

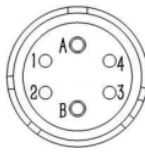
Contact Arrangement (Plug Side)



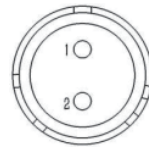
Config: 2 Fiber
Type: Single/Multimode
Insertion Loss: $\leq 1.2\text{dB}$



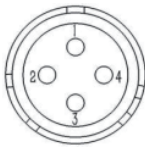
Config: 2 Fiber / 2 Contact
Current per Contact: $\leq 15\text{A}$
Insertion Loss: $\leq 1.2\text{dB}$
Working Voltage: $\leq 600\text{V DC/AC rms}$
Dielectric Strength: 2000V DC



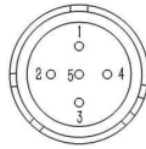
Config: 2 Fiber / 4 Contact
Current per Contact: $\leq 10\text{A}$
Insertion Loss: $\leq 1.2\text{dB}$
Working Voltage: $\leq 600\text{V DC/AC rms}$
Dielectric Strength: 2000V DC



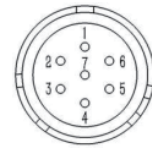
Config: 2 Contact
Current per Contact: $\leq 10\text{A}$
Working Voltage: $\leq 500\text{V DC/AC rms}$
Dielectric Strength: 1500V DC



Config: 4 Contact
Current per Contact: $\leq 10\text{A}$
Working Voltage: $\leq 500\text{V DC/AC rms}$
Dielectric Strength: 1500V DC



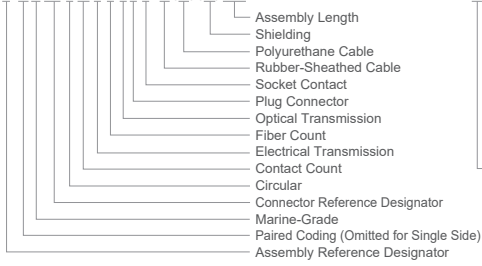
Config: 5 Contact
Current per Contact: $\leq 7\text{A}$
Working Voltage: $\leq 500\text{V DC/AC rms}$
Dielectric Strength: 1500V DC



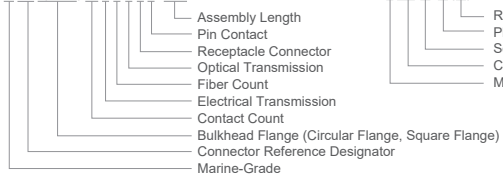
Config: 7 Contact
Current per Contact: $\leq 5\text{A}$
Working Voltage: $\leq 300\text{V DC/AC rms}$
Dielectric Strength: 1000V DC

Product Introduction

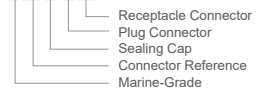
Z-2H22YmEnSTK-R(P)(S)Lm



H22l(Y,F)mEnSZJ-Lm



H22G-T(Z)

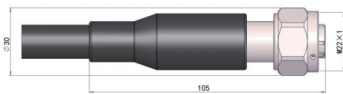


Plug Assembly Model

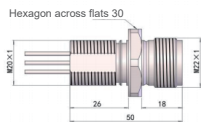
Designation Receptacle Model

Designation Sealing Cap Model

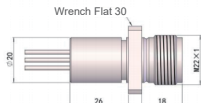
Connector's Outline Dimensions



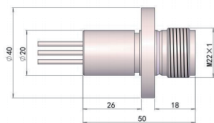
Z-H22YmEnSTK-R(P)(S)Lm Plug



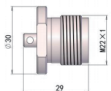
Z-H22lmEnSTK-R(P)(S)Lm Bulkhead Receptacle



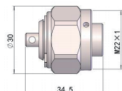
H22FmEnSZJ-Lm Square Receptacle



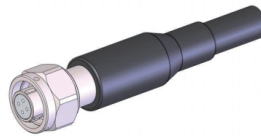
H22YmEnSZJ-Lm Plug



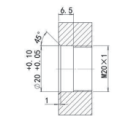
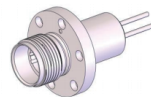
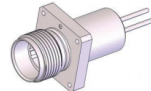
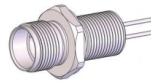
H22G-T Plug Protective Cap



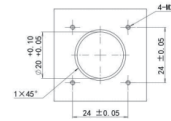
H22G-Z Receptacle Protective Cap



Recommended Cable Outer Diameter $\leq \varnothing 13.5\text{mm}$



Mounting Hole Size



Mounting Hole Size



Mounting Hole Size

Model 03D Series

Deep Water Metal O3D Series Assemblies

Performance Parameters

Contact Configuration	4~19 Pin
Contact Resistance	≤10 mΩ
Insulation Resistance	≥2000 MΩ (Standard), ≥1000 MΩ (Post Environmental Testing)
Dielectric Withstanding Voltage	2500V DC, 1min
Current Rating per Contact	≤25A
Insertion Loss	1.2dB Standard / 0.35dB Low Loss (1310nm); 1.0dB Standard / 0.25dB Low Loss (1550nm)
Mechanical Life	≥1000 cycles
Factory Test Pressure	Standard 45MPa, Customizable up to 70MPa
Operating Temperature	-45 °C to 90 °C

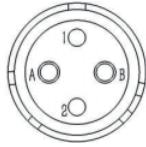
Material Specifications

Connector Shell	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Optical Contact	Alumina Ceramic Ferrule
Electrical Contact	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable

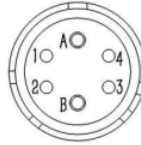


The pictures are for reference only

Contact Arrangement (Plug Side)



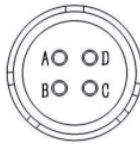
Config: 2 Fiber / 2 Contact
 Current per Contact: $\leq 25A$
 Insertion Loss: $\leq 1.2dB$
 Working Voltage: $\leq 1000V$ DC/AC rms
 Dielectric Strength: 2500V DC



Config: 2 Fiber / 4 Contact
 Current per Contact: $\leq 15A$
 Insertion Loss: $\leq 1.2dB$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Strength: 2000V DC



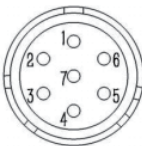
Config: 2 Fiber / 4 Contact
 Current per Contact: $\leq 10A$
 Insertion Loss: $\leq 1.2dB$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Strength: 2000V DC



Config: 2 Fiber
 Type: Single/Multimode
 Insertion Loss: $\leq 1.2dB$



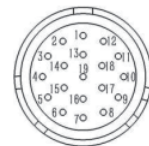
Config: 4 Contact
 Current per Contact: $\leq 25A$
 Insertion Loss: $\leq 1.2dB$
 Working Voltage: $\leq 800V$ DC/AC rms
 Dielectric Strength: 2500V DC



Config: 7 Contact
 Current per Contact: $\leq 15A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Strength: 2000V DC



Config: 12 Contact
 Current per Contact: $\leq 7A$
 Working Voltage: $\leq 400V$ DC/AC rms
 Dielectric Strength: 1500V DC



Config: 19 Contact
 Current per Contact: $\leq 5A$
 Working Voltage: $\leq 300V$ DC/AC rms
 Dielectric Strength: 1000V DC

Model 04D Series

Deep Water Metal O4D Series Assemblies

Performance Parameters

Contact Configuration	4~41 Pin
Contact Resistance	≤10 mΩ
Insulation Resistance	≥2000 MΩ (Standard), ≥1000 MΩ (Post Environmental Testing)
Dielectric Withstanding Voltage	≤3000V DC, 1min
Current Rating per Contact	≤65A
Insertion Loss	1.2dB Standard / 0.35dB Low Loss (1310nm); 1.0dB Standard / 0.25dB Low Loss (1550nm)
Mechanical Life	≥1000 cycles
Factory Test Pressure	Standard 45MPa, Customizable up to 70MPa
Operating Temperature	-45 °C to 90 °C

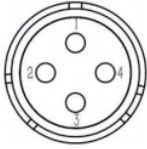
Material Specifications

Connector Shell	Standard Stainless Steel 316L, Customizable Titanium Alloy TC4
Optical Contact	Alumina Ceramic Ferrule
Electrical Contact	Gold Plated Brass
Sealing Cap	Stainless Steel 316L
Cable	Polyurethane or Rubber Sheathed Cable

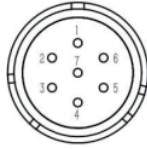


The pictures are for reference only

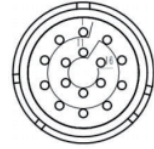
Contact Arrangement (Plug Side)



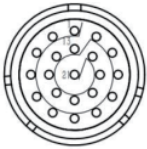
Config: 4 Contact
 Current per Contact: $\leq 65A$
 Working Voltage: $\leq 1000V$ DC/AC rms
 Dielectric Strength: 3000V DC



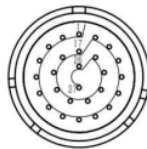
Config: 7 Contact
 Current per Contact: $\leq 25A$
 Working Voltage: $\leq 800V$ DC/AC rms
 Dielectric Strength: 2500V DC



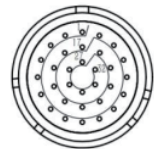
Config: 16 Contact
 Current per Contact: $\leq 25A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Strength: 2000V DC



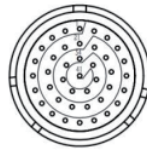
Config: 21 Contact
 Current per Contact: $\leq 15A$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Strength: 2000V DC



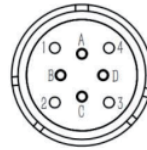
Config: 27 Contact
 Current per Contact: $\leq 7A$
 Working Voltage: $\leq 500V$ DC/AC rms
 Dielectric Strength: 1500V DC



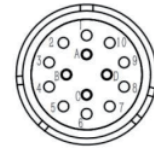
Config: 32 Contact
 Current per Contact: $\leq 7A$
 Working Voltage: $\leq 300V$ DC/AC rms
 Dielectric Strength: 1000V DC



Config: 41 Contact
 Current per Contact: $\leq 5A$
 Working Voltage: $\leq 300V$ DC/AC rms
 Dielectric Strength: 1000V DC

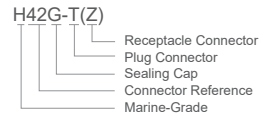
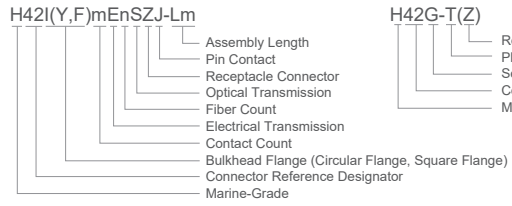
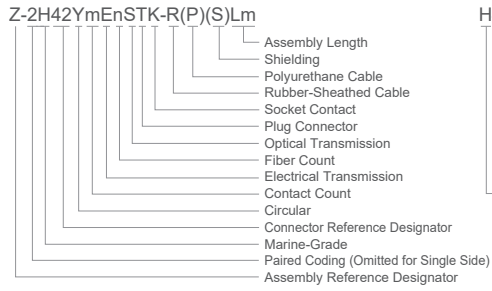


Config: 4 Fiber / 4 Contact
 Current per Contact: $\leq 20A$
 Insertion Loss: $\leq 1.5dB$
 Working Voltage: $\leq 1500V$ DC/AC rms
 Dielectric Strength: 4500V DC



Config: 4 Fiber / 10 Contact
 Current per Contact: $\leq 10A$
 Insertion Loss: $\leq 1.5dB$
 Working Voltage: $\leq 600V$ DC/AC rms
 Dielectric Strength: 2000V DC

Product Introduction

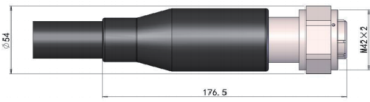


Plug Assembly Model

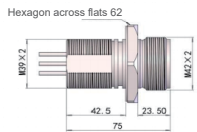
Designation Receptacle Model

Designation Sealing Cap Model

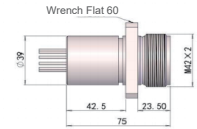
Connector's Outline Dimensions



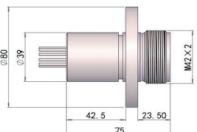
Z-H42YmEnSTK-R(P)(S)Lm Plug



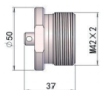
H42ImEnSZJ-Lm Bulkhead Receptacle



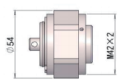
H42FmEnSZJ-Lm Bulkhead Receptacle



H42YmEnSZJ-Lm Round Receptacle



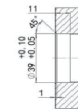
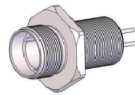
H42G-T Plug Protective Cap



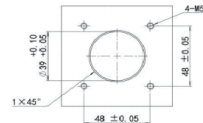
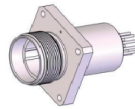
H42G-Z Receptacle Protective Cap



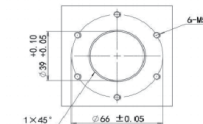
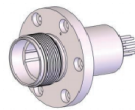
Recommended Cable Outer Diameter ≤ 0.22mm



Mounting Hole Size



Mounting Hole Size



Mounting Hole Size





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