

This new connector series is based on the Trident Neptune Metal housing. The insulator body has been designed for high voltage applications. These connectors rated for up to 34 A (for wire size 4,0 mm² at 20°C) and 500 V ac. This connector series is VDE certified.



Performance Specifications

Electrical Data

Operating Voltage	Up to 500 V (dc and ac)
Contact Current Rating	Max. 34 A for wire size 4,0 mm ² at 20°C
Contact Resistance	5mOhm max.
Voltage Proof	6kV rated impulse voltage
Insulation Resistance	5000M0hm

Mechanical Data

Durability	Up to 200 Mating cycles, depending on contact type
Mating Torque	Max. 2,31 Nm
Unmating Torque	Min, 0,23 Nm to Max 2,31 Nm

Environmental Data (acc. ISO 15170)

Operating Temperature	-40°C to +125°C
Humidity Steady State	RH 90 to 95%, 40°C, 504 hours
Environmental Sealing	IP67 in mated condition
Salt Spray	48 hours
Vibration	10 g's peak, 10 to 500 Hz, 9 hours
Physical Shock	50 g's peak, 6msec., half-spine pulse

Materials and Finishes

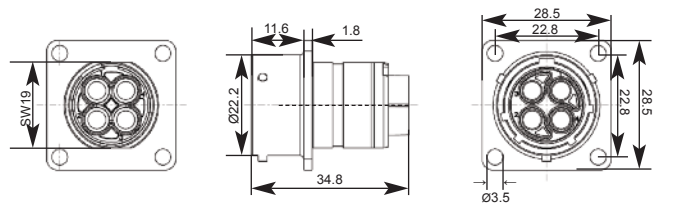
Shell	Nickel Plated Zinc Alloy
Insulator	Orange Nylon
Coupling Nut	Nickel Plated Brass
Flammability	UL 94 V-0



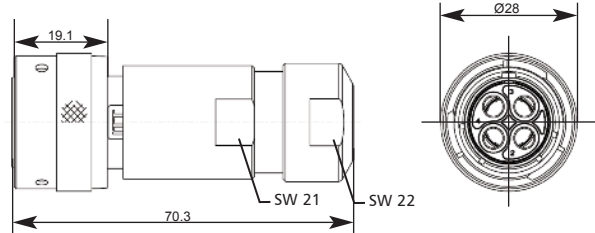
Attention! Connector must not be disconnected under load!



Dimensions: Standard Receptacle



Dimensions: Standard Plug with Endbell



High Voltage 4-way for Power Contacts

- Standard and reversed version available.
- Uses APK Power contacts, see page 65.
- For sealing the receptacle use panel gasket, see page 51.

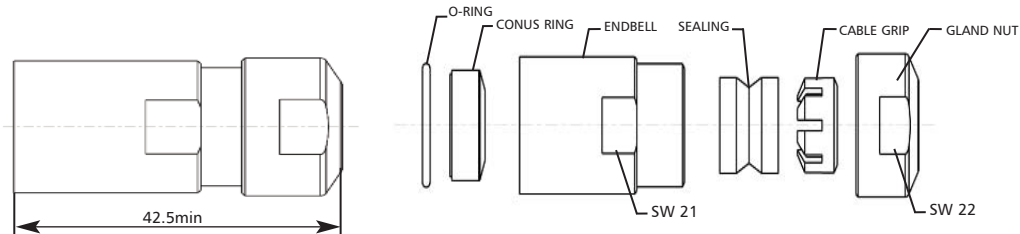
Shell Size	Type	Contact Layout	Part Number	Nomenclature
14	Standard Plug with Endbell*	04-00	192993-0702	THV6U14-0400P1L-02
14	Standard Receptacle*	04-00	192993-0704	THV0U14-0400S1L-02
14	Reversed Plug with Endbell**	04-00	192993-0706	THV6U14-0400S1L-02
14	Reversed Receptacle**	04-00	192993-0708	THV0U14-0400P1L-02

* Parts are VDE-qualified.
 ** Parts are not VDE-qualified.



High Voltage 4-way Jam Nut for Power Contacts

Information available upon request.



Shielded Endbell

Part Number (Pack of 100)
 192993-0087



Dimensions shown in mm (inch)
 Specifications and dimensions subject to change

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