SHX27 Metal-Shell Wet-Mateable Underwater Power Connectors

High-power · 6000 VAC main contacts · 4.5 MPa



Pressure rating	4.5 MPa radial and axial
Contacts	8
Current rating	33 A main, 13 A auxiliary
Withstanding voltage	6000 VAC main, 1500 VAC auxiliary
Temperature	−10 to +65 °C

Key features

- High-power subsea supply: main contacts 33 A, 6000 VAC withstanding voltage
- Radial and axial sealing, 4.5 MPa
- Vulcanized watertight backshell
- Wet-mateable: can be mated with water droplets on the contact faces
- Titanium or stainless-steel shell
- Custom contact counts, cable types and lengths on request

Specifications

Electrical

Parameter	Value	Condition
Current rating	33 A / 13 A	Main / auxiliary contacts
Dielectric withstanding voltage	6000 VAC / 1500 VAC	Main / auxiliary contacts
Insulation resistance	1000 MΩ / 500 MΩ	Main / auxiliary contacts

Mechanical and environmental

Parameter	Value	Condition
Hydrostatic pressure	4.5 MPa	Radial and axial
Durability	500 mating cycles	
Vibration	10–500 Hz, 98 m/s²	
Bump	1000 bumps, 68.6 m/s²	
Operating temperature	−10 to +65 °C	
Salt spray	500 h	

Versions

Series code	Version	Notes
SHX27…T	Plug	
SHX27…Z	Receptacle	

How to order

SHX27 [material] [contacts] [contact] [type]

Example: **SHX27TA08KT** — Titanium, 8 contacts, socket contacts, plug

Code segment	Options
Material	**TA** Titanium alloy
Material	**K** Stainless steel
Contacts	**08** 8 contacts (other counts on request)
Contact	**K** Socket
Contact	**J** Pin
Type	**T** Plug
Type	**Z** Receptacle

Request a quote or drawing: https://sinoxh.com/request-a-quote/?product=SHX27