

INTERFACE C **Connecting Plug**



APPLICATION

The Chardon Connecting Plug is molded from high quality insulating epoxy material. It meets all the requirements of the DIN47636 standard. The interface is type C, per the specification of standard EN50181. The Chardon Connecting Plug is interchangeable with other manufacturer's products that meet the same standard. The Chardon Connecting Plug can be installed in

junction boxes or other equipment, and used in conjunction with T-body connectors and arresters. The product is fully insulated and submersible, designed to be fully functional in underwater applications.

PRODUCTION TESTS

The following tests are conducted in accordance with IEC60502-4 and GB/T12706.4. All production tests are conducted on 100% of products manufactured.

| Chardon Catalog Number | Voltage Class | Partial Discharge (3pc) | AC Withstand | Impulse Withstand |
|------------------------|---------------|-------------------------|---------------|-------------------|
| 24-TCP630 | 17.5 / 24 kV | 20 kV | 54 kV / 5min | 125 kV |
| 36-TCP630 | 36 kV | 30 kV | 81 kV / 5min | 170 kV |
| 42-TCP630 | 42 kV | 45 kV | 117 kV / 5min | 200 kV |
| 42-TCP1250 | 42 kV | 45 kV | 117kV / 5min | 200 kV |

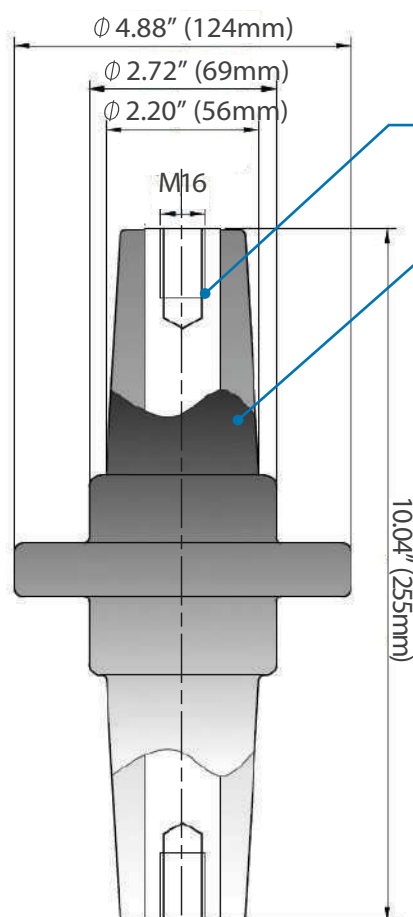
Additional tests conducted in accordance with Chardon manufacturing process requirements:

- / Physical Inspection
- / Periodic Dissection
- / Periodic X-ray Analysis
- / Periodic Impulse Withstand Voltage Test

VOLTAGE RATINGS

| Chardon Catalog Number | 24-TCP630 | 36-TCP630 | 42-TCP630 | 42-TCP1250 |
|--|---------------|---------------|----------------|----------------|
| Voltage Class (U _m) | 17.5 / 24 kV | 36 kV | 42 kV | 42 kV |
| AC Withstand Voltage | 54 kV / 5 min | 81 kV / 5min | 117 kV / 5 min | 117 kV / 5 min |
| Partial Discharge | 20 kV ≤ 10 pC | 30 kV ≤ 10 pC | 45 kV ≤ 10 pC | 45 kV ≤ 10 pC |
| Impulse Withstand Voltage (10 times for each polarity) | 125kV | 170 KV | 200 kV | 200 kV |
| Current Rating | 630 A | 630 A | 630 A | 1250 A |

DETAILED COMPOSITION OF THE CHARDON CONNECTING PLUG



/ M16 THREAD HOLE

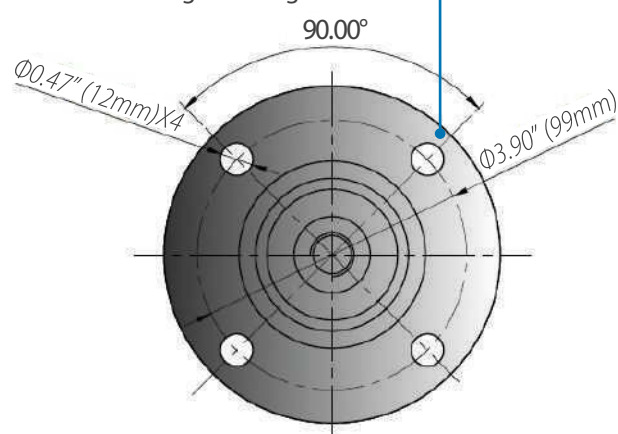
Connected with Stud.

/ INSULATION LAYER

Molded with high quality epoxy resin.

/ DRAIN WIRE TAB

The drain wire tab provides a convenient point to connect wire for grounding.



ORDERING INFORMATION

| Interface C Connecting Plug | |
|---------------------------------|------------|
| 17.5/24 kV 630A Connecting Plug | 24-TCP630 |
| 36 kV 630A Connecting Plug | 36-TCP630 |
| 42 kV 630A Connecting Plug | 42-TCP630 |
| 42 kV 1250A Connecting Plug | 42-TCP1250 |



CHARDON TAIWAN CORPORATION

No.37 Min-Chie Road, Tung Lo
Industrial Park, Miao Li, Taiwan 366

Tel : +886-37-984385

Fax : +886-37-984770

www.chardongroup.com • info@chardongroup.com