CT-M Glass-Sealed Hermetic Receptacles, −55 to +200 °C

Glass-to-metal seal · 152 kPa leak-tight · −55 to +200 °C



Sealing	No leakage at 152 kPa
Contacts	2 to 5
Current rating	7.5 A / 13 A
Temperature	−55 to +200 °C
Rated voltage	250 V

Key features

- Glass-to-metal sealed contacts
- No leakage at 152 kPa pressure differential between inside and outside
- −55 to +200 °C operating temperature
- Resistant to immersion in four types of fluid
- Threaded coupling (UNEF or metric) or bayonet (CT6-3M); square-flange and round-flange bodies
- Contacts Ø 1.0 mm (7.5 A) and Ø 1.6 mm (13 A)

Specifications

Electrical

Parameter	Value	Condition
Rated voltage	250 V	
Test voltage	1500 V / 1125 V	Room temperature / humidity
Insulation resistance	≥ 500 MΩ / ≥ 20 MΩ	Room temperature / humidity

Sealing and environmental

Parameter	Value	Condition
Hermeticity	No leakage	152 kPa pressure differential
Operating temperature	−55 to +200 °C	
Humidity	95 % at +50 °C	
Vibration	5–2000 Hz, 196 m/s²	
Bump	10,000 bumps, 196 m/s², 40–100 per minute	
Acceleration	245 m/s²	
Fluid immersion	Four fluids	
Salt spray	48 h	
Durability	500 mating cycles	

Contact sizes and current ratings

Contact size	Engaging diameter	Contact resistance	Current rating
Ø 1.0 mm	1.0 mm	≤ 15 mΩ	7.5 A
Ø 1.6 mm	1.6 mm	≤ 7.5 mΩ	13 A

Models

Model	Contacts	Coupling thread
CT1-2M	2 × Ø 1.6	0.625-24 UNEF
CT2-3M	3 × Ø 1.0	0.5625-24 UNEF
CT3-3M	3 × Ø 1.0	0.5625-24 UNEF
CT4-3M	3 × Ø 1.0	0.5625-24 UNEF
CT4-3M1	3 × Ø 1.0	0.5625-24 UNEF
CT5-3M	3 × Ø 1.0	0.5625-24 UNEF
CT6-3M	3 × Ø 1.0	Bayonet
CT7-2M	2 × Ø 1.6	0.625-24 UNEF
CT10-5M, CT10-5M1	5 × Ø 1.0	0.6875-24 UNEF
CT12-3M, CT13-3M	3 × Ø 1.0	0.5625-24 UNEF

Other contact counts and sizes on request.

How to order

CT [design] - [contacts] M [variant]

Example: **CT4-3M1** — Design 4, 3 contacts, hermetic receptacle, variant 1

Code segment	Options
Design	**1–7, 10, 12, 13, 14** Design number
Contacts	**2, 3, 5** Number of contacts
M	**M** Hermetic receptacle
Variant	**1, 2, 3** Variant

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