P-C Bulkhead Feed-Through Hermetic Connectors, up to 200 A

Bulkhead feed-through · contacts up to 200 A · PR-C to +150 °C



Sealing	≤ 0.13 kPa/min at 101 kPa
Contacts	4 to 31
Current rating	7–200 A
Temperature	–60 to +60 °C (PR-C +150 °C)
Rated voltage	500 V, 400 Hz

Key features

- Feed-through receptacle for sealed bulkheads, mates with P-type plugs
- Leak rate ≤ 0.13 kPa/min at 101 kPa pressure differential
- Contacts Ø 1.5, 2.5, 3.5, 5.5 and 9.0 mm — 10 A to 200 A
- Signal and power contacts in the same shell
- PR-C heat-resistant version for +150 °C
- Metric M24 × 1.5 to M60 × 1.5 threads

Specifications

Electrical

Parameter	Value	Condition
Rated voltage	500 V, 400 Hz	
Test voltage	1500 V / 750 V	Room temperature / humidity
Insulation resistance	≥ 20 MΩ / ≥ 2 MΩ	Room temperature / humidity

Sealing and environmental

Parameter	Value	Condition
Hermeticity	≤ 0.13 kPa/min	101 kPa pressure differential
Operating temperature	–60 to +60 °C	P-C
Operating temperature	–60 to +150 °C	PR-C
Humidity	98 % at +20 °C	
Low pressure	2 kPa	
Vibration	10–2000 Hz, 98 m/s²	
Bump	68.6 m/s², 40–100 per minute	
Durability	500 mating cycles	

Contact sizes and current ratings

Contact size	Engaging diameter	Contact resistance	Current rating
Ø 1.5 mm	1.5 mm	2.5 mΩ	10 / 8 / 7 A
Ø 2.5 mm	2.5 mm	1 mΩ	25 / 20 / 17.5 A
Ø 3.5 mm	3.5 mm	0.5 mΩ	50 / 40 / 35 A
Ø 5.5 mm	5.5 mm	0.3 mΩ	100 / 80 / 70 A
Ø 9.0 mm	9.0 mm	0.15 mΩ	200 A

Models

Current values in the contact table apply to 1–20 / 21–30 / 31–40 loaded contacts.

Model	Contacts	Thread
P20-6C	4 × Ø 2.5	M24 × 1.5
P32-3C	6 × Ø 1.5 + 6 × Ø 2.5	M36 × 1.5
P32-11C	6 × Ø 1.5 + 4 × Ø 2.5	M36 × 1.5
P48-4C	5 × Ø 2.5 + 4 × Ø 5.5	M52 × 1.5
P48-5C	14 × Ø 1.5 + 6 × Ø 2.5	M52 × 1.5
P48-6C	26 × Ø 1.5	M52 × 1.5
P55-6C	14 × Ø 1.5 + 14 × Ø 2.5 + 3 × Ø 3.5	M60 × 1.5

Other layouts, including Ø 9.0 mm power contacts, on request.

How to order

[P / PR] [size] J [layout] C

Example: **P32J11C** — Standard feed-through receptacle, size 32, pin contacts, layout 11 (6 × Ø 1.5 + 4 × Ø 2.5)

Code segment	Options
Series	**P** Standard
Series	**PR** Heat resistant, +150 °C
Size	**20 28 32 36 48 55** Shell size
J	**J** Pin contacts
Layout	**e.g. 11** See the models table
C	**C** Feed-through hermetic receptacle

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