PBH Push-Pull Circular Connectors, 5 and 7 Contacts

Push-pull · 5 or 7 contacts · vibration to 5000 Hz



Coupling	Push-pull
Contacts	5 or 7
Current rating	5 A per contact
Working voltage	200–300 V
Temperature	–60 to +150 °C (PBH1)

Key features

- Push-pull coupling: mate and unmate in one straight movement
- PBH1 silver-palladium, PBH2 silver, PBH3 gold-plated contacts
- 5 or 7 contacts, 5 A each
- Vibration 1–5000 Hz, 18 g (PBH2, PBH3)
- Shock 150 g single, 35 g repeated
- Compact: Ø 15 to Ø 19.4 mm

Specifications

Electrical

Parameter	Value	Condition
Working voltage	200 V / 300 V	PBH1 / PBH2, PBH3
Contact resistance	≤ 3 mΩ / ≤ 5 mΩ	PBH1 / PBH2, PBH3
Insulation resistance	≥ 5000 MΩ	

Mechanical and environmental

Parameter	Value	Condition
Operating temperature	–60 to +150 °C	PBH1
Operating temperature	–60 to +100 °C	PBH2, PBH3
Vibration	1–1000 Hz, 7.5 g	PBH1
Vibration	1–5000 Hz, 18 g	PBH2, PBH3
Shock	150 g single; 35 g repeated	
Durability	500 mating cycles, 1000 h operation	

Versions

Series code	Version	Notes
PBH1	Silver-palladium contacts, to +150 °C	

Series code	Version	Notes
PBH2	Silver-plated contacts	
PBH3	Gold-plated contacts	

Models

Model	Contacts	Contact Ø	Current per contact	Total current	Working voltage	Size
PBH1	5	1.5 mm	5 A	25 A	200 V	Ø 15–17 mm
PBH2-5, PBH3-5	5	1 mm	5 A	13 A	300 V	Ø 17.4 mm
PBH2-7, PBH3-7	7	1 mm	5 A	15 A	300 V	Ø 19.4 mm

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