# ZH28 Glass-Sealed Hermetic Receptacles, 3 to 61 Contacts

Glass-sealed · 3 to 61 contacts · –60 to +155 °C



| | |
|---|---|
| **Sealing** | Glass-sealed |
| **Contacts** | 3 to 61 |
| **Current rating** | 3–9 A (max. 6–18 A) |
| **Temperature** | –60 to +155 °C (max. 200 °C) |
| **Rated voltage** | 400–700 V |

## Key features

- Glass-sealed hermetic receptacle; mates with ZH23 plugs
- For DC, AC and pulse circuits
- Contacts Ø 1.0, 1.5 and 2.0 mm
- Three voltage classes: 700, 500 and 400 V working voltage
- Vibration 1–5000 Hz up to 40 g; shock up to 500 g
- Square-flange mounting, shells 14 to 39

## Specifications

**Electrical**

| Parameter | Value | Condition |
|---|---|---|
| **Working / test voltage, class A** | 700 V / 2100 V | |
| **Working / test voltage, class B** | 500 V / 1850 V | |
| **Working / test voltage, class C** | 400 V / 1600 V | |
| **Insulation resistance** | ≥ 5000 MΩ | |

**Mechanical and environmental**

| Parameter | Value | Condition |
|---|---|---|
| **Operating temperature** | –60 to +155 °C | Up to 200 °C maximum |
| **Vibration** | 1–5000 Hz, ≤ 40 g | |
| **Shock** | 150 g repeated; 500 g single | |
| **Humidity** | 92–98 % at +30 to +60 °C | |
| **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 | 3 A (max. 6 A) |

| Contact size | Engaging diameter | Contact resistance | Current rating |
|---|---|---|---|
| **Ø 1.5 mm** | 1.5 mm | ≤ 10 mΩ | 6 A (max. 12 A) |
| **Ø 2.0 mm** | 2.0 mm | ≤ 8 mΩ | 9 A (max. 18 A) |

## Contact layouts

| Contacts / shell | Contact diameters |
|---|---|
| **4 / 14** | Ø 1.0 |
| **3 / 14** | Ø 1.5 |
| **10 / 18** | Ø 1.0 |
| **7 / 18** | Ø 1.5 |
| **19 / 22** | Ø 1.0 |
| **10 / 22** | Ø 1.5 |
| **7 / 22** | Ø 1.5 or Ø 2.0 |
| **19 / 24** | Ø 1.0 and Ø 1.5 |
| **19 / 27** | Ø 1.5 |
| **28 / 27** | Ø 1.0 or Ø 1.5 |
| **32 / 27** | Ø 1.0 |
| **41 / 30** | Ø 1.0 |
| **24 / 30** | Ø 1.5 |
| **55 / 33** | Ø 1.0 |
| **32 / 33** | Ø 1.0 or Ø 2.0 |
| **61 / 36** | Ø 1.0 |
| **43 / 36** | Ø 1.0 or Ø 1.5 |
| **45 / 39** | Ø 1.0, Ø 1.5 and Ø 2.0 |

Other layouts on request.

## How to order

### ZH28- [contacts]/[shell] B-1-b-B

Example: **ZH28-4/14B-1-b-B** — 4 contacts, shell 14, pin contacts, without backshell, key b, all-climate version

| Code segment | Options |
|---|---|
| **Contacts / shell** | **e.g. 4/14** See the contact layout table |
| **B** | **B** Pin contacts |
| **1** | **1** Without backshell |
| **Key** | **b** Key position |
| **B** | **B** All-climate version |

Request a quote or drawing: https://sinoxh.com/request-a-quote/?product=ZH28