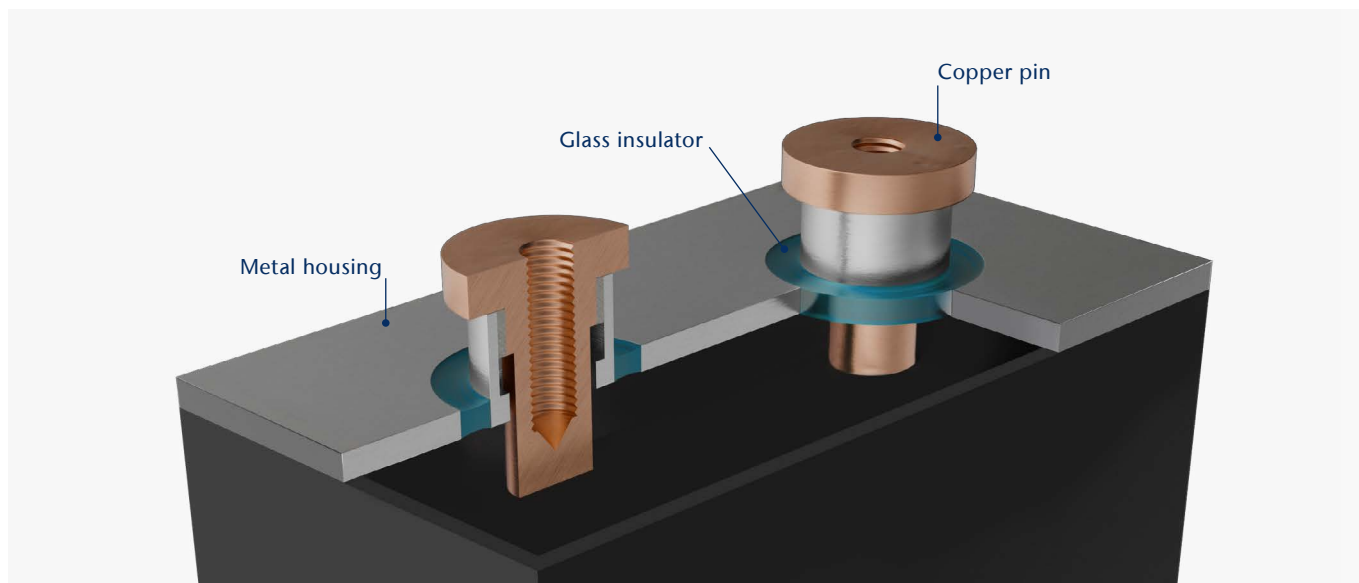


SCHOTT Gas-Tight Terminals for High-Voltage Relays

Hermetic and reliably robust for a long lifespan

High-voltage relays and contactors are electromechanical devices used in electrical systems to establish and interrupt the electrical circuit under high-voltage conditions. When the contacts open and close, electrical arcing occurs that can damage the contacts and surrounding components. To rapidly quench this arcing, contactors are often filled with gases like SF_6 , nitrogen or hydrogen. To minimize damage and enhance the contactor's lifespan and reliability gas-tight terminals can make the difference.



SCHOTT's custom glass-to-metal sealed (GTMS) terminal pins offers:

- durable hermetic closures for contactor arc chambers ➔ ensuring long lasting performance
- design flexibility in terms of shape and materials ➔ allowing multiple feedthroughs in a single assembly
- seamlessly integrate with traditional metallic joining technologies ➔ eliminating the need for specialized equipment

SCHOTT Hermetically Sealed Terminal Pins for Gas-Filled Relays

Made for you – benefits of working with SCHOTT:



Gas-tight

Hermetically sealing the lead-outs protects against gas leakage and can extend the relay's lifespan.



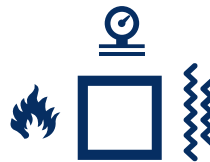
Customizable design

We customize designs, from simple 3D chambers to electrical and sensor feedthroughs combined in a single lid, to meet specific customer requirements.



High electrical resistance

Specialized glasses are used to provide high electrical resistance.



Strong mechanical robustness

A rugged design, thanks to compression sealing technology, provides high-pressure resistance and mechanical robustness.



Certifications

We are a certified trusted automotive partner, developing and manufacturing to industry standards (ISO 9001, IATF 16949, ISO 14001, ISO 45001 and ISO 50001).



Cost competitive

The cost of glass-sealed arc chambers is comparable to ceramics.

SCHOTT – The leading expert in glass-to-metal sealing

When reliable, gas-tight electrical signal transmission is required, customers turn to SCHOTT for hermetic packages and feedthroughs. As part of the globally connected SCHOTT group – with sales of 2.8 billion Euros in 2022 and 17,200 employees – we are a highly dependable supplier with flexible production and a global sales and manufacturing infrastructure. If we don't have a standard solution, we will develop custom products to meet your needs.

Whatever the challenge – Let's do it!