



FORMTEILE

# Moulded **silicone** parts

*ELECTRICAL INDUSTRY*

Liquid silicone rubber (LSR) / solid silicone rubber (HCR/HTV)  
moulded parts and two-component assemblies  
for the electrical industry





# ELECTRICAL INDUSTRY

## Good isolation and perfect sealing

Complex products of M+S Silicon Formteile are being used with increasing frequency in electrical applications. In accordance with the guiding principle of the electrical industry of guaranteeing low power losses with increasing efficiency, we support our clients from the development stage to series production.

### Highly transparent assemblies

Innovative materials facilitate the production of highly transparent assemblies, which are incorporated into LED modules, for instance. Standard materials made of liquid or solid silicone rubber for fire standard requirement UL94HB to V0 can be used for series production. There are no restrictions on the bonding of plastics, metals and silicones. We offer two-component assemblies with maximum precision in order to ensure good insulation. This guarantees flawless sealing.

### Seals according to IP Code

Assemblies of the electrical industry are often subject to harsh environmental and weather conditions such as humidity, wind, dust and water and require special sealing designs, which are divided into so-called IP Codes. As a result of our many years of experience, we develop customised seals that conform to International Protection Codes.

- 1 | PV system connecting nipple
- 2 | Cable insertion grommet
- 3 | Two-component hand plug
- 4 | Inverter seals
- 5 | Surveillance camera seals
- 6 | Plug connections
- 7 | LED seals
- 8 | Phase insulation seals
- 9 | Ventilator seals



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FORMTEILE



## M+S Silicon Formteile GmbH

M+S Silicon Formteile GmbH, founded in 2003, develops intelligent solutions for high-quality products made from liquid and solid silicone rubber. We provide advice in person, plan for the production of your products and precisely tailor our solutions to your needs.

### Processing of liquid and solid silicone rubber

Our core competence is the processing of liquid silicone rubber (LSR). We produce versatile components in the LSR process with state-of-the-art injection moulding machines in a 4-shift operation. We also process solid silicone mixtures (HCR/HTV) fully automatically at our facilities. In addition, we apply our expertise in the processing of thermoplastic materials and liquid silicone rubber (LSR) for two-component assemblies.

### Added value thanks to additional services

We are expanding injection moulding with attractive services. These include personalisation of products by means of tampon and laser printing technology and/or foil stamping as well as installation work and assembly production. On request, we deliver our products in sterile packaging, take on the post-curing process as well as different packaging processes. Besides constructive assistance, we offer surface treatment in the form of fluorination and parylene coating.

### Quality management ensures peace of mind

Quality is the top priority for M+S Silicon Formteile – this applies to both products and processes. Our company is certified according to DIN EN ISO 9001:2008, ISO 14001:2004+Cor 1:2009 and DIN ISO 50001:2011.



Automotive industry



Construction industry



Trains and buses



Electrical industry



Catering



Household appliances



Mechanical engineering



Medical technology



Sanitation industry



Technical trade

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