

## Ambient temperature range

- Venetian blind drives, series GJ56..
- Tubular drives, series SOLIDline
- Tubular drives, series TECLine

GEIGER drives are designed for outdoor and indoor applications such as Venetian blinds, rolling shutters and awnings. In order to ensure the suitability of the GEIGER drives for these applications, they have been tested for their endurance at a wide temperature range which exceeds by far the required test standards.

The GEIGER drives are suitable for an ambient temperature range between -20°C and + 60°C and up to +80°C for a short time – for instance by temperature peaks on individual days with extreme weather conditions.

Please note that the permissible runtime of the drives is reduced at high temperatures. The increasing viscosity of the lubricants by low temperatures can lead to delayed start-up of the drives. Both effects are physical, do not lead to permanent damage of the drive and cannot be considered as a product defect.

*Please observe the information about GEIGER drives with electronic limit switches and the notes on the ambient temperature range of connecting cables.*

## Runtime optimization, increased ambient temperature

- Venetian blind drives, type GJ5606, GJ5616 (optimized for run-time)
- Venetian blind drives, type GJ5606t, GJ5616t (T90)
- Drives, type GSI5606 r, GSI5610 r

The Venetian blind drives type GJ5606, GJ5616 are designed with lower self-heating (operating mode S2/6min). Compared to the standard drives (operating mode S2/4min) these drives are suitable for applications with high runtime requirements, e.g. by high blinds.

For applications with increased ambient temperature, these two drives are available in the version „T90“ with type designations GJ5606t and GJ5616t. These can be operated up to 90°C for a short time.

*Please observe the notes on the ambient temperature range of connecting cables.*

### Note: GEIGER drives with electronic limit switches

Compared to drives with a mechanical end stop, electronic end stops offer numerous opportunities to customize the functionality of the respective application. Through functions such as „anti-freeze protection“ and „obstacle detection“, damages to the blind can be avoided.

At low temperatures, both the sun protection and the drive might not run smoothly. This is due to the viscosity of the lubricant. As a result, the functions „anti-freeze“ or „obstacle detection“ can trigger although there is no freezing or no obstacle. The drive will not start or it stays still. This does not damage the drive. As soon as the temperatures rise, the drive runs again with full functionality.

This behaviour does not constitute a product defect. If necessary, the product documentation of the application must be accompanied by appropriate instructions and the building control system should be adapted accordingly.

### Note: Ambient temperature range/Connecting cables

Depending on the type of cable used, following ambient temperature ranges of GEIGER connecting cables are permitted:

- Cable designation 05RR-F and 05RN-F: -25°C to +60°C
- Cable designation 05VV-F: -5°C to 60°C
- Cable designation Unipur: -40°C to 90°C

#### Gerhard Geiger GmbH & Co. KG

Schleifmühle 6 | D-74321 Bietigheim-Bissingen

Phone +49 (0) 7142 9380 | Fax +49 (0) 7142 938 230 | info@geiger.de | www.geiger.de

Sitz Bietigheim-Bissingen | Amtsgericht Stuttgart HRA 300591 | USt-IdNr. DE145002146

Komplementär: Geiger Verwaltungs-GmbH | Sitz Bietigheim-Bissingen | Amtsgericht Stuttgart HRB 300481

Geschäftsführer: Roland Kraus | WEEE-Reg.-Nr. DE47902323