

Subject

New digital limit switch DES 10+

Description

In 2022, GfA will introduce a new type of digital limit switch, the DES 10+ (①), that is equipped with a new housing and serves as a platform for additional functions. The new limit switch is an important component for the realisation of ELEKTROMATEN 4.0 (②), a multifunctional door drive as a building block for the intelligent door (③).

Functions

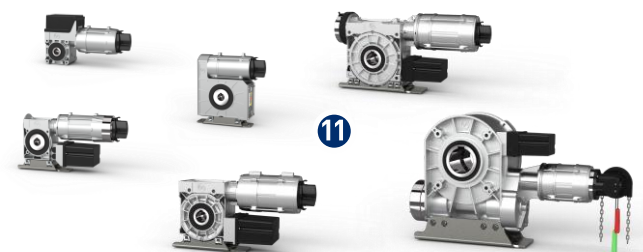
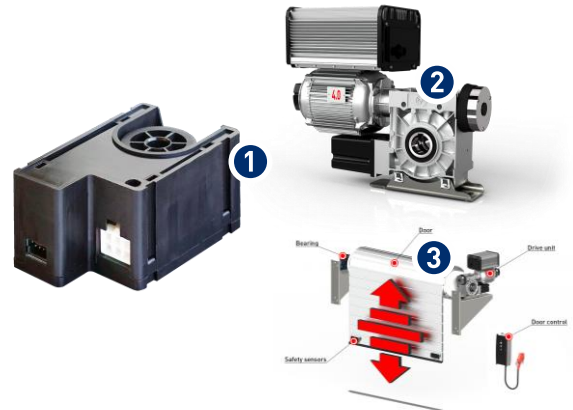
The new DES 10+ (④) will, just like the already known digital limit switch systems from GfA, detect the rotation angle of the limit switch shaft (⑤) as a standard function and forward this information to the door control to determine the door position (using the RS-485 interface¹⁾). Added interfaces for recording further measured values are already available, including:

- Oil and ambient temperature (⑥+⑦)
- Vibrations (⑧)
- Internal bus interface for added sensors, such as for forces or torques (⑨)

These data can be evaluated with the TS 971+ (⑩) door control that will be available in the future.

Notes

The new DES 10+ limit switch can be used with all GfA gearbox series (⑪) in the future. Exceptions are drive units with the SG40 gearbox series and drives for Ex applications²⁾. The first drive units with a less-equipped DES 10 variant will be produced from 08/2022. These units do not yet have any added functions in line with DES 10+.



Do you have any questions or suggestions? Your sales representative will gladly advise you:

<http://gfa-elektromaten.com/en-DE/contact.html>

1) Both 4-byte and 2-byte safety protocols and thus compliance with the EN ISO 13849-1:2015 standard including Performance Level C

2) Applications in potentially explosive atmospheres