

Confirmation of fault exclusion for the mechanical coupling (German: Fehlerausschluss Mechanische Anbindung, FMA) for resolvers in EZ series motors

Manufacturer:

Stöber Antriebstechnik GmbH + Co. KG

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Germany

The manufacturer hereby confirms that independent loosening of the mechanical connection of resolver types

- V23401-S1001-E501 (manufacturer: TE),
- TS 2620 N221 E11 (manufacturer: Tamagawa)

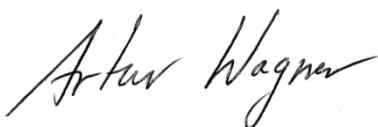
with an EZ motor can be excluded in accordance with DIN EN 61800-5-2 (Nov 2017), Annex D.3.16. Fault exclusion is achieved as follows:

- 1) Frictional connection of the rotor of the resolver with the rotor of the motor by a screw
 - Tightening torque specified in the production documents: 1.2 Nm
 - Calculated safety against sliding: 28.4
- 2) Frictional connection of the stator of the resolver with the stator of the motor by two screws
 - Tightening torque: 1.1 Nm
 - Calculated safety against sliding: 844
- 3) The screws mentioned above have a thread lock, consisting of an adhesive.

For operation of the motor, the ambient conditions specified in the operating manual of the motor apply. The vibration load must not exceed the maximum value of 50 m/s^2 (5 g), 6 ms in accordance with EN 60068-2-27.



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