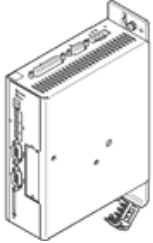


# motor controller CMMS-ST-C8-7-G2

Número de artículo: 572211

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## Hoja de datos, fiabilidad del producto

La información de esta "Hoja de datos de fiabilidad del producto" se fundamenta en el uso previsto del producto. Incluye el cumplimiento de todas las especificaciones, p. ej., de la hoja de datos, el catálogo, la documentación de usuario y las condiciones generales de funcionamiento. Es exclusivamente el usuario quien se responsabiliza de determinar si un producto se adecúa a una determinada aplicación.

Característica	Valor
CE mark (see declaration of conformity)	To EU EMC Directive To EU Machinery Directive To EU RoHS Directive
Safety function <sup>1)</sup>	Safe torque off (STO)
Performance Level (PL) <sup>2)</sup>	Safe torque off (STO)/Category 3, Performance Level d
Certificate issuing authority	BG MFS 09031
Mean number of annual operations nop (assumed) <sup>3)</sup>	1.000.000
Probability of Failure per Hour (PFH) <sup>4)</sup>	$4,53 \cdot 10^{-8}$
Mean time to dangerous failure (MTTF <sub>d</sub> ) <sup>5)</sup>	Safe torque off (STO) / 2521 years
Vibration resistance	To EN 61800-5-1: frequency 10-57 Hz, amplitude 0,075 mm; frequency 57-150 Hz, 1 g

- 1) Further measures can be necessary for realization of the mentioned safety function. For these measures refer to the relevant documentation.
- 2) Further measures can be necessary to fulfil the stated Performance Level (PL). For these measures refer to the relevant documentation.
- 3) The probability of failure is based on this mean number of annual operations (nop).
- 4) For components affected by wear this value will be reached, if for the precise application the mean number of annual operations (nop) is equal or lower than the assumed annual operations of this product. The assumed mean number of annual operations is stated in this datasheet.
- 5) The ascertainment of the MTTF<sub>d</sub> value is generally based on the IEC 61709 "Electric components - Reliability - Reference conditions for failure rates and stress models for conversion" respectively on the SN 29500.