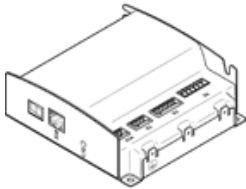


motor controller CMMO-ST-C5-1-LKP

Número de artículo: 1512320

FESTO



[PDF](#) [Condiciones de servicio generales](#)

[→ Portal de Soporte técnico](#)

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 ¹⁾	Safe torque off (STO)
Performance Level (PL) ²⁾	Safe torque off (STO) / Category 3, Performance Level e
Safety Integrity Level (SIL) ³⁾	Safe torque off (STO) / Safety Integrity Level 3
Certified for safety functions to ISO 13849 (PL) ⁴⁾	Till Performance Level e
Certified for safety function to ISO 13849 and IEC 61508 (SIL) ⁵⁾	Up to Safety Integrity Level 3 high demand mode
Certificate issuing authority	01/205/5252.02/20 TÜV, Rhine region
Probability of Failure per Hour (PFH) ⁶⁾	$1,3 \cdot 10^{-10}$
Mean time to failure (MTTF) ⁷⁾	2.250 a
Mean time to dangerous failure (MTTF _d) ⁸⁾	STO, 100 years (limited, mathematically 4500 years)
Vibration resistance	Transport application test with severity level 2 in accordance with FN942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Max. positive test pulse with 0 signal	5.000 µs
Max. negative test pulse with 1 signal	500 µs

- 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) Further measures can be necessary to fulfil the stated Safety Integrity Level (SIL). For these measures refer to the relevant documentation.
- 4) Further measures can be necessary to fulfil the stated Performance Level (PL). For these measures refer to the relevant documentation.
- 5) Further measures can be necessary to fulfil the stated Safety Integrity Level (SIL). For these measures refer to the relevant documentation.
- 6) 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.
- 7) The ascertainment of the MTTF 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.

- 8) The ascertainment of the $MTTF_d$ 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.