

Declaration of Reliability

We manufacturer

CARLO GAVAZZI INDUSTRI A/S,
Over Hadstenvej 40, DK-8370 Hadsten, Denmark. Tel. +45 89606100

declare that the MTTF value of the product

PC50CNP06BAM1

is calculated according to:

EN ISO 13849-1:2008

SN 29500

Safety of machinery. Safety-related parts of control systems.
General principles for design Part count method (Annex D.1)
MTTFd data of electrical components (typical and worst case)

at operative temperature of 40°C,

MTTF Calculation

	MTTF	MTTF_d	MTTF_d* worst case
	[years]	[years]	[years]
<i>Calculation Formula</i>	$\frac{1}{\sum_{i=1}^n \frac{1}{MTTF_n}}$	$MTTF \times 2$	$\frac{MTTF}{10} \times 2$
<i>Result</i>	838.7	1677.4	167.7


*with safety factor 10

Manufacturer

Hadsten, August 22, 2025

Place/Date
Signature

Name :



Luigi Cascavilla
(Managing Director)

Notes:

This Manufacturer's Declaration of Reliability is not to be intended as a product guarantee.

Manufacturer's point of contact: UAB Carlo Gavazzi Industri Kaunas, Raudondvario Pl.101 Kaunas, LT-47184 Lithuania



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ISO 9001 / ISO 14001
www.ms certification.net