CARLO GAVAZZI
Automation Components

CARLO GAVAZZI

Issue No.: 20250822

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

PC50CND20BA

is calculated according to:

EN ISO 13849-1:2008	Safety of machinery. Safety-related parts of control systems. General principles for design Part count method (Annex D.1)
SN 29500	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]*
Calculation Formula	$\frac{1}{\sum_1^n \frac{1}{MTTF_n}}$	$MTTF \times 2$	$\frac{MTTF \times 2}{10}$
Result	***835.6***	***1671.2***	***167.1***

*with safety factor 10

Manufacturer

Place/Date Hadsten, August 22, 2025

Signature

Name : Luigi Cascavilla
(Managing Director)

Notes:
This Manufacture'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.mscertification.net