

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

PD30CNB20NAM5SA

is calculated according to:

EN ISO 13849-1:2008

Safety of machinery. Safety-related parts of control systems.

SN 29500

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>	$\frac{1}{\sum_1^n \frac{1}{MTTF_n}}$	$MTTF \times 2$	$\frac{MTTF \times 2}{10}$
<i>Result</i>	444.7	889.4	88.9

*with safety factor 10

Manufacturer

Hadsten, January 23, 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



ISO 9001 / ISO 14001
www.mscertification.net