

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

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> | 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



MS CERT
ISO 9001 / ISO 14001
www.ms certification.net