

# Declaration of Reliability

We manufacturer

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

declare that the MTTF value of the product

## PMT20G

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)  
MTTFd data of electrical components (typical and worst case)

SN 29500

at operative temperature of 40°C,

## MTTF Calculation

	<b>MTTF</b> [years]	<b>MTTF<sub>d</sub></b> [years]	<b>MTTF<sub>d</sub>* worst case</b> [years]
<b>Calculation Formula</b>	$\frac{1}{\sum_1^n \frac{1}{MTTF_n}}$	$MTTF \times 2$	$\frac{MTTF \times 2}{10}$
<b>Result</b>	<b>407.4</b>	<b>814.8</b>	<b>81.5</b>

\*with safety factor 10

### Manufacturer

Hadsten, March 10, 2026

Place/Date  
Signature

Name :

  
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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](http://www.ms certification.net)