

Declaration of Reliability

We manufacturer

CARLO GAVAZZI INDUSTRI A/S,
Over Hadstenvej 40, DK-8370 Hadsten, Denmark. Tel. +45 89606100 - Fax +45 89606222

declare that the MTTF value of the product(s)

**PD86CAP12QPTF, PD86CAP12QPTD,
PD86HAP12QPTF-01C, PD86HAP12QPTD-01C**

is(are) 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>	$\frac{1}{\sum_1^n \frac{1}{MTTF_n}}$	$MTTF \times 2$	$\frac{MTTF \times 2}{10}$
<i>Result</i>	1214,7	2429,4	242,9

*with safety factor 10

Manufacturer

Place/date

Hadsten, Apr 30st, 2018

Signature
Name



Kent Sørensen
(R&D Manager)

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



cert. N. QA110333



cert. N. EA110332