

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(s)

CA12KAN08BPA2IO

(followed by suffixes)

is(are) 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

	<i>MTTF</i>	<i>MTTF_d</i>	<i>MTTF_d * worst case</i>
	[years]	[years]	[years]
<i>Calculation Formula</i>	$\frac{1}{\sum_1^n \frac{1}{MTTF_n}}$	$MTTF \times 2$	$\frac{MTTF}{10} \times 2$
<i>Result</i>	805,3	1610,6	161,1

*with safety factor 10

Manufacturer

Hadsten, October 10, 2023

Place/Date

Signature



Name :

René Østergaard
(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



MS CERT
ISO 9001 / ISO 14001

www.ms certification.net