

# Declaration of Reliability

We manufacturer

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

declare that the MTTF value of the product

## LD30CPBR10BPM5IO

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

	<b>MTTF</b>	<b>MTTF<sub>d</sub></b>	<b>MTTF<sub>d</sub> * worst case</b>
	[years]	[years]	[years]
Calculation Formula	$\frac{1}{\sum_1^n \frac{1}{MTTF_n}}$	$MTTF \times 2$	$\frac{MTTF}{10} \times 2$
Result	<b>646,0</b>	<b>1292,0</b>	<b>129,2</b>

\*with safety factor 10

### Manufacturer

Place/date

Hadsten, March 4<sup>th</sup>, 2022

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

