

Declaration of Reliability

We manufacturer

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

declare that the $MTTF_d$ (SRP/CS) value of the product

MPF1-912RS

is calculated according to:

EN ISO 13849-1:2015

Safety of machinery. Safety-related parts of control systems.
General principles for design Part count method (Annex D.1)
 $MTTF_d$ data of electrical components (typical and worst case)

SN 29500

at operative temperature of 40°C,

MTTF Calculation

	$MTTF_d$	$MTTF_d$ * worst case	PFH_d
	[years]	[years]	[Failure per hour]
Calculation Formula	$\frac{1}{\sum_{i=1}^n \frac{1}{MTTF_{dn}}}$	$\frac{MTTF_d}{10}$	$\frac{1}{(MTTF_d \times h \times d)}$
Result	1186.0	118.6	9.67×10^{-7}

*with safety factor 10

Manufacturer

Hadsten, April 04, 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



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ISO 9001 / ISO 14001
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