

Herstellerbescheinigung / Manufacturer's Certificate

PF12CERT2161

Specification SIL values for KCD2-SR-(Ex)*(LB), HiC2821, HiC2822

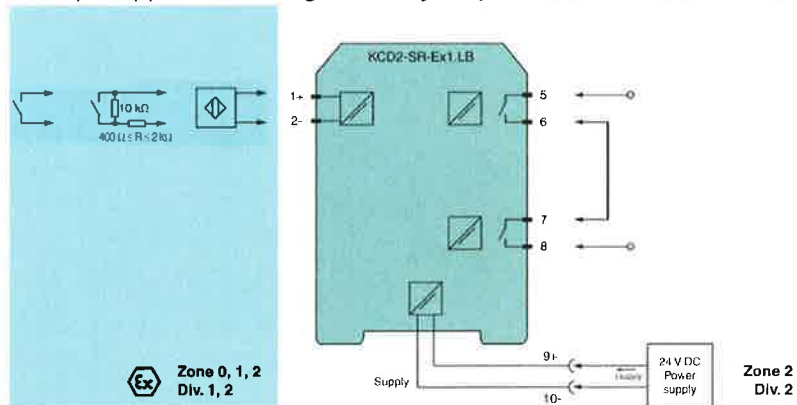
Pepperl + Fuchs GmbH, Lilienthalstrasse 200, 68307 Mannheim, hereby declares that safety values given in the original FMEDA by exida.com GmbH are corrected. For the above mentioned products, the values for an application where two relay outputs are connected in series can be calculated as:

λ_{SD}	$\lambda_{SU}^{[1]}$	λ_{DD}	λ_{DU}	SFF	DC _S	DC _D
0 FIT	248 FIT	48 FIT	13 FIT	95,70%	0%	78%

MTBF = 311 years

This statement was elaborated in cooperation with exida.com GmbH, Mr. Aschenbrenner on the 14th of August 2012.

Example application using two relay outputs of KCD2-SR-Ex1.LB:



When using one channel devices, the second relay must be configured to follow the first relay. For details see data sheet.

The Pepperl+Fuchs GmbH, Mannheim is subject to the rules of a Quality Management System according to DIN EN 9001.



Reg. Nr. 000760 QM08

Ort / Location: Mannheim
Datum / Date: 15. August 2012

Hersteller Unterschrift:
Signature of manufacturer:

i.V. W. Bansemir

i.V. M. Kindermann

Funktion des Unterzeichners:
Function of the signer:

Business Unit Director
PA Systems & Solutions

Standards Expert
Functional Safety

[1] Note that the SU category includes failures that do not cause a spurious trip