



Project name: Parker Compax3S STO with fieldbus

File date: 30.06.2017 11:09:03 Report date: 30.06.2017 Checksum: 13d2697392dfa298411e62d6dcbe5f67

PR Project name: Parker Compax3S STO with fieldbus

Project file name:	K:\PROJEKTE\PROJEKTE_ED\Zertifizierungen\03_Safety\Compax3 Sistema Library\Parker Compax3S STO with fieldbus 2017_06_30 V_2_0_7.ssm
Creation date:	-
Project status:	
Project number:	
Project version:	
Authors:	Edgar Strack, Parker Hannifin
Project managers:	
Inspectors:	
Dangerous point/machine:	Electromechanical drive
Documentation:	Safe torque off (STO) and Safe stop 1
Document:	
Version of software:	2.0.7 build 2
Version of standard:	ISO 13849-1:2015, ISO 13849-2:2012
Checksum:	13d2697392dfa298411e62d6dcbe5f67
Options:	☒ Use DC intermediate levels for calculation of PFHD (more precise) ☐ MTTFD capping for category 4 lower from 2500 to 100 years.
Status:	green
Note:	There are no warnings listed for this project (or it's subordinate basic elements).

Print options

- | | |
|---|--|
| ☒ Show Safety functions | ☒ also show Subsystems |
| ☒ also show Blocks | ☒ also show Elements |

Contained safety functions

SF Name: STO / SS1

Required: PLr d	Reached: PL d	PFHD [1/h]: 1,8E-7	Status: green
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Contained subsystems

SB Name: Switches of door guarding

Resulting PL: e	PFHD [1/h]: 2,5E-8	Category: 3
MTTFD [a]: 100 (High)	DCavg [%]: 99 (High)	CCF Points: 80 (fulfilled)

Contained channels / blocks / Elements

CH Name: Channel 1 (MTTFD [a]: 285,4)

BL Name: Switch contactor 1

MTTFD [a]: 285,4 (High)	DC [%]: 99 (High)
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EL Name: Switch contactor 1

MTTFD [a]: 285,4 (High)	DC [%]: 99 (High)
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CH Name: Channel 2 (MTTFD [a]: 285,4)



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BL Name: Switch contactor 2

MTTFD [a]: 285,4 (High) DC [%]: 99 (High)

EL Name: Switch contactor 2

MTTFD [a]: 285,4 (High) DC [%]: 99 (High)

SB Name: Safety control unit UE410

Resulting PL: e PFHD [1/h]: 7,9E-9 Category: 4

MTTFD [a]: not relevant DCavg [%]: not relevant CCF Points: not relevant

SB Name: Servo drive Compax3S

Resulting PL: d PFHD [1/h]: 1,5E-7 Category: 3

MTTFD [a]: 67,3 (High) DCavg [%]: 71,4 (Low) CCF Points: 75 (fulfilled)

Contained channels / blocks / Elements

CH Name: Channel 1 (MTTFD [a]: 10)

BL Name: PLC

MTTFD [a]: 15 (Medium) DC [%]: 60 (Low)

BL Name: Compax3S motor control device

MTTFD [a]: 30 (High) DC [%]: 90 (Medium)

CH Name: Channel 2 (MTTFD [a]: 200)

BL Name: Safety relais

MTTFD [a]: 200 (High) DC [%]: 99 (High)

EL Name: Safety relais OA5669

MTTFD [a]: 200 (High) DC [%]: 99 (High)

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EXCLUSION OF LIABILITY

Care has been taken in production of the software SISTEMA, which corresponds to the state of the art. It is made available to users free of charge.

Die Software wurde gemäß dem Stand von Wissenschaft und Technik sorgfältig erstellt. Sie wird dem Nutzer unentgeltlich zur Verfügung gestellt.

Die Haftung des IFAs/ DGUV ist damit auf Vorsatz und grobe Fahrlässigkeit (§ 521 BGB) bzw. bei Sach- und Rechtsmängel auf arglistig verschwiegene Fehler beschränkt (523, 524 BGB).

The IFA undertakes to keep its website free of viruses; nevertheless, no guarantee can be given that the software and information provided are virus-free. The user is therefore advised to take appropriate security precautions and to use a virus scanner prior to downloading software, documentation or information.

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Date, signature of the revisor