PR Project name: Parker Compax3S STO without fieldbus

Project file name:	K:\PROJEKTE\PROJEKTE_ED\Zertifizierungen\03_Safety\Compax3 Sistema Library\Parker Compax3S STO without 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:	2249e3a8e878219d0ed38d1bfd5a1360
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 e | PFHD [1/h]: 6,2E-8 | Status: green

Contained subsystems

SB Name: 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)

EL Name: Switch contactor 1

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

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: e	PFHD [1/h]: 3E-8	Category: 3
MTTFD [a]: 100 (High)	DCavg [%]: 96,5 (Medium)	CCF Points: 75 (fulfilled)

Contained channels / blocks / Elements

CH Name: Channel 1 (MTTFD [a]: 510)

BL Name: Compax3S Motor control device

MTTFD [a]: 510 (High) DC [%]: 90 (Medium)

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

BL Name: Safety relay

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

EL Name: Safety relay OA5669

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

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).

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Date, signature of the revisor