

SIL3 compliant HW Components:

Catalog Number	Description	Part Number	Rev.	Report – No.	Status
FS-CPCHAS-0001	Chassis for Control Processor	3402000	-	968/EZ 195.00/05	Valid
FS-CPB-0001	Control processor backplane, part of FS-CPCHAS-0001	3410431	-	968/EZ 195.00/05	Valid
FS-TERM-0001	Bus terminator for non-redundant IO	3402007	-	968/EZ 195.00/05	Valid
FS-TERM-0002	Bus terminator for redundant IO	3402008	-	968/EZ 195.00/05	Valid
FS-IOCHAS-0001R	Chassis for redundant I/O modules	3402050	-	968/EZ 195.00/05	Valid
FS-IOCHAS-0001S	Chassis for non-redundant I/O modules	3402051	-	968/EZ 195.00/05	Valid
FS-IOB-0001S	I/O backplane for non-redundant I/O, part of FS-IOCHAS-0001S	3410432	-	968/EZ 195.00/05	Valid
FS-IOB-0001R	I/O backplane for redundant I/O, part of FS-IOCHAS-0001R	3410434	-	968/EZ 195.00/05	Valid
FS-IOBUS-HBS	Horizontal non-redundant I/O bus backplane, part of FS-IOCHAS-0001S	3410433	-	968/EZ 195.00/05	Valid
FS-IOBUS-HBR	Horizontal redundant I/O bus backplane, part of FS-IOCHAS-0001R	3410435	-	968/EZ 195.00/05	Valid
FS-IO-0001	I/O extender module part of the FS-IOCHAS-0001x	3402500	V1.0	968/EZ 195.00/05	Valid
FS-QPP-0001	Quad Processor Pack	3402001	V1.1	968/EZ 195.00/05	Valid
FS-QPP-0001	Quad Processor Pack	3402009	V1.2	968/EZ 195.00/05	Valid

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FS-QPP-0001	Quad Processor Pack	3402013	V1.3	968/EZ 195.00/05	Valid
FS-BKM-0001	Battery and Key switch Module	3402003	V1.0	968/EZ 195.00/05	Valid
FS-PSU-240516	Power Supply Unit 24/5 Vdc, 16A	3402002	V1.0	968/EZ 195.00/05	Valid
FS-PSU-240516	Power Supply Unit 24/5 Vdc, 16A	3402011	V1.1	968/EZ 195.00/05	Valid
FS-SDI-1624	Safe digital input module (24 Vdc, 16 channels)	3402100	V1.0	968/EZ 195.00/05	Valid
FS-SAI-0410	Safe analog input module (4 channels)	3402102	V1.0	968/EZ 195.00/05	Valid
FS-SAI-1620m	Safe high-density analog input module (24 Vdc, 16 channels)	3402103	V1.0	968/EZ 195.00/05	Valid
FS-SDIL-1608	Safe line-monitored digital input module with earth fault monitor (16 channels)	3402104	V1.0	968/EZ 195.00/05	Valid
FS-SDO-0824	Safe digital output module (24 Vdc, 0.55 A, 8 channels)	3402202	V1.0	968/EZ 195.00/05	Valid
FS-SAO-0220m	Safe analog output module (0(4)-20 mA, 2 channels)	3402203	V1.0	968/EZ 195.00/05	Valid
FS-SDO-0424	Safe digital output module (24 Vdc, 2 A, 4 channels)	3402207	V1.0	968/EZ 195.00/05	Valid
FS-SDOL-0424	Safe loop-monitored digital output module (24 Vdc, 1 A, 4 ch.)	3402208	V1.0	968/EZ 195.00/05	Valid
FS-TSDI-16UNI	Safe Digital Input FTA(24/48Vdc, NAMUR 16 channels)	3410741	-	968/EZ 195.00/05	Valid
FS-TSDI-1624C	Current-limited digital input FTA (24 Vdc, 16 channels)	3410742	-	968/EZ 195.00/05	Valid

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FS-TSDI-16115	Safe active/passive digital input FTA (115 Vac/dc, 16 ch.)	3410743	-	968/EZ 195.00/05	Valid
FS-TSAI-0410	Safe analog input FTA (4 channels)	3410745	-	968/EZ 195.00/05	Valid
FS-TSAI-1620m	Safe 0(4)-20 mA analog input FTA (16 channels)	3410746	-	968/EZ 195.00/05	Valid
FS-TSHART-1620m	Safe 0(4)-20 mA analog input FTA (16 channels) with HART interface	3410747	-	968/EZ 195.00/05	Valid
FS-TSGAS-1624	Safe Gas -Flame detector input FTA (0 - 20 mA, 16 channels)	3410748	-	968/EZ 195.00/05	Valid
FS-TSFIRE-1624	Safe Fire detector input FTA with Line Mon. (24 Vdc, 16 ch.)	3410763	V1.1	968/EZ 195.00/05	Valid
FS-TPSU-2430	24 Vdc to 30 Vdc/1 A converter	3410752	-	968/EZ 195.00/05	Valid
FS-TSAO-0220m	Safe 0(4)-20 mA analog input FTA (2 channels)	3410753	-	968/EZ 195.00/05	Valid
FS-TSDO-0424	Safe digital output FTA (24 Vdc, 4 channels)	3410755	-	968/EZ 195.00/05	Valid
FS-TSDO-04UNI	Safe digital output FTA (24/48/110 Vdc, 4 channels)	3410756	-	968/EZ 195.00/05	Valid
FS-TSDO-0824	Safe digital output FTA (24 Vdc, 8 channels)	3410757	-	968/EZ 195.00/05	Valid
FC-TSDO-0824C	Safe digital output FTA current limited (24 Vdc, 8 channels)	3410758	-	968/EZ 195.00/05	Valid
FC-TSDOL-0424C	Safe digital output FTA, current limited (24 Vdc, 4 channels)	3410759	-	968/EZ 195.00/05	Valid
FS-TSRO-0824	Digital output (relay) FTA for AK5/6 applications (8 channels)	3410761	-	968/EZ 195.00/05	Valid
FS-TSDI-1624	Safe digital input FTA (24 Vdc, 16 channels)	3410764	V1.0	968/EZ 195.00/05	Valid

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1200 S 24 P067 V115 CM	1200 S PSU 115VAC/24VDC Complete Mounted 45 A	4220135	-	968/EZ 195.00/05	Valid
1200 S 24 P067 V230 CM	1200 S PSU 230VAC/24VDC Complete Mounted 45 A	4220136	-	968/EZ 195.00/05	Valid

Further HW Components suitable for use to build up safety loops up to SIL3 with the Safety Manager:

Catalog Number	Description	Part Number	Rev.	Report – No.	Status
FS-USI-0001	Universal Safety Interface	3402004	V1.0	968/EZ 195.00/05	Valid
FS-USI-0001	Universal Safety Interface	3402012	V1.1	968/EZ 195.00/05	Valid
FS-DCOM-232/485	Communication interface FTA for RS232 and RS485	3402300	V1.0	968/EZ 195.00/05	Valid
FS-DCOM-232/485	Communication interface FTA for RS232 and RS485	3402304	V2.0	968/EZ 195.00/05	Valid
FS-UCOM-HSE	High speed ethernet switch, make: Hirschman, type RS2-TX	4600065	-	968/EZ 195.00/05	Valid
FS-PDB-HSE24	Power Distribution board to power 2x FS-UCOM-HSE	3402301	-	968/EZ 195.00/05	Valid
FS-UCOM-SDW	High speed ethernet switch, make: Westermo, type SDW-550-EC	4600072	-	968/EZ 195.00/05	Valid

Further interference free HW Components suitable for use with the Safety Manager:


Catalog Number	Description	Part Number	Rev.	Report – No.	Status
FS-DO-1224	Digital output module (24 Vdc, 0.55 A, 12 channels)	3402204	V1.0	968/EZ 195.00/05	Valid
FS-RO-1024	Relay output module (contacts, 36 Vdc, 2 A, 10 channels)	3402205	V1.0	968/EZ 195.00/05	Valid
FS-DO-1624	Digital output module (24 Vdc, 0.1 A, 16 channels)	3402206	V1.0	968/EZ 195.00/05	Valid
FS-TIDI-1624	Isolated passive digital input FTA (16 channels)	3410744	-	968/EZ 195.00/05	Valid
FS-TDO-1624	Digital output FTA (24 Vdc, 16 channels)	3410754	-	968/EZ 195.00/05	Valid
FS-TRO-0824	Digital output (relay contact) FTA (8 channels, NO/NC)	3410761	-	968/EZ 195.00/05	Valid
FS-TRO-1024	Digital output (relay contact) FTA (10 channels)	3410762	-	968/EZ 195.00/05	Valid

SIL3 compliant SW Components:

Catalog Number	Description	Part Number	Rev.	Report – No.	Status
FS-QPP-0001	Quad Processor Pack	3402013	1.31.139.1 (CRC \$789B26C4)	968/EZ 195.00/05	Valid
FS-QPP-0001	Quad Processor Pack	3402013	100.0.89.1 (CRC \$309D43AD)	968/EZ 195.01/05	Valid
FS-QPP-0001	Quad Processor Pack	3402013	100.0.95.1 (CRC \$2B8B87DB)	968/EZ 195.02/05	Valid

Further SW Components suitable for use to build up safety loops up to SIL3 with Safety Manager:

Catalog Number	Description	Part Number	Rev.	Report – No.	Status
FS-SMSB-ST-100	Safety Builder R100.3 Software Basic Windows 2000/XP	3402900	-	968/EZ 195.00/05	Valid
FS-SMSB-ST-100	Safety Builder R101.2 Software Basic Windows 2000/XP	3402900	-	968/EZ 195.01/05	Valid
FS-SMSB-ST-100	Safety Builder R102.2 Software Basic Windows 2000/XP	3402900	-	968/EZ 195.02/05	Valid

	Released by Manufacturer:	Released by Test Institute:	Released by Certifier:
Signed:		 Andreas Hesse	Heinz Gall
Date: (yyyy-mm-dd)	2005-06-08	2005-06-08	2005-06-08

Document-Revision

Date	Version	Changes	Author
2005-01-31	1.0	First release of template	he/968
2005-06-07	1.1	Modified template to adress different categories of modules	he/968
2005-06-08	1.2	Added some modules	he/968
2005-07-14	1.3	Added Safety Manager V101.2	he/968
2005-10-04	1.4	Added Safety Manager V102.2	he/968