

**Revision Release List:****Safety Control System ProSafe-RS, R2.02****SIL3 compliant HW Components:**

Model Name	Description	Revision Information		Report – No.	Status
		Style	Revision No.		
SSC10S	Safety Control Unit (Single CPU, Vnet)	S1	N/A	968/EZ 196.00/05	Valid
SSC10D	Safety Control Unit (Dual red. CPU, Vnet)	S1	N/A	968/EZ 196.00/05	Valid
SSC50S	Safety Control Unit (Single CPU, Vnet/IP)	S1	N/A	968/EZ 196.08/06	Valid
SSC50D	Safety Control Unit (Dual red. CPU, Vnet/IP))	S1	N/A	968/EZ 196.08/06	Valid
SNB10D	Safety Node Unit	S2	N/A	968/EZ 196.08/06	Valid
SCP401-11	Processor Module for SSC10S/D, Vnet	S1	U:2, H1:7, H2:0, F1:0, F2:2, F3:0, F4:5	968/EZ 196.15/08	Valid
SCP451-11	Processor Module for SSC50S/D, Vnet/IP	S1	U:2, H1:2, H2:2, F1:15, F2:2, F3:0, F4:6	announcement letter dated 2010-10-15	Valid
SAI143-S03	Analog Input Module (4 to 20mA)	S2	U:0, H1:2, H2:0, F1:2, F2:2	968/EZ 196.08/06	Valid
SAI143-S33	Analog Input Module (4 to 20mA) With signal cable adapter	S2	U:0, H1:2, H2:0, F1:2, F2:2	968/EZ 196.08/06	Valid
SAI143-H03	Analog Input Module (4 to 20mA, HART)	S2	U:0, H1:0, H2:2, F1:1, F2:1	968/EZ 196.08/06	Valid
SAI143-H33	Analog Input Module (4 to 20mA, HART) With signal cable adapter	S2	U:0, H1:0, H2:2, F1:1, F2:1	968/EZ 196.08/06	Valid
SAV144-S03	Analog Input Module (1 to 5V / 1 to 10V)	S2	U:0, H1:0, H2:0, F1:2, F2:2	968/EZ 196.08/06	Valid
SAV144-S33	Analog Input Module (1 to 5V / 1 to 10V) With signal cable adapter	S2	U:0, H1:0, H2:0, F1:2, F2:2	968/EZ 196.08/06	Valid
SAI533-H03	Analog Output Module (4 to 20mA, HART)	S1	U:0, H1:0, H2:2, F1:2, F2:2	968/EZ 196.08/06	Valid
SAI533-H33	Analog Output Module (4 to 20mA, HART) With signal cable adapter	S1	U:0, H1:0, H2:2, F1:2, F2:2	968/EZ 196.08/06	Valid

**Manufacturer:**

Yokogawa Electric Corporation  
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**Test Institute:**

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SDV144-S13	Digital Input Module (contact input)	S3	U:0, H1:0, H2:0, H3:1, F1:0, F2:0	announcement letter dated 2010-08-09	Valid
SDV144-S33	Digital Input Module (contact input) With signal cable adapter	S3	U:0, H1:0, H2:0, H3:1, F1:0, F2:0	announcement letter dated 2010-08-09	Valid
SDV521-S33	Digital Output Module (24V DC) With signal cable adapter	S3	U:0, H1:0, H2:0, H3:0, F1:0, F2:0	announcement letter dated 2010-08-09	Valid
SDV526-S33	Digital Output Module (100-120VAC) With signal cable adapter	S1	U:0, H1:0, H2:1, H3:0, F1:1, F2:1	968/EZ 196.18/08	Valid
SDV531-S13	Digital Output Module (24V DC)	S1	U:0, H1:2, H2:1, H3:1, F1:3, F2:3	968/EZ 196.00/05	Valid
SDV531-S23	Digital Output Module (24V DC)	S4	U:0, H1:0, H2:0, H3:1, F1:0, F2:0	announcement letter dated 2010-08-09	Valid
SDV531-S33	Digital Output Module (24V DC) With signal cable adapter	S4	U:0, H1:0, H2:0, H3:1, F1:0, F2:0	announcement letter dated 2010-08-09	Valid
SDV531-L23	Digital Output Module (24V DC)	S4	U:0, H1:0, H2:0, H3:1, F1:0, F2:0	announcement letter dated 2010-08-09	Valid
SDV531-L33	Digital Output Module (24V DC) With signal cable adapter	S4	U:0, H1:0, H2:0, H3:1, F1:0, F2:0	announcement letter dated 2010-08-09	Valid
SDV541-S23	Digital Output Module (24V DC – 16 channels)	S3	U:0, H1:0, H2:0, H3:1, F1:0, F2:0	announcement letter dated 2010-08-09	Valid
SDV541-S33	Digital Output Module (24V DC – 16 channels) With signal cable adapter	S3	U:0, H1:0, H2:0, H3:1, F1:0, F2:0	announcement letter dated 2010-08-09	Valid

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SCB100-S0	Wiring Check Adapter	S2	N/A	968/EZ 196.11/07	Valid
SCB110-S0	Wiring Check Adapter	S2	N/A	968/EZ 196.11/07	Valid
SEA4D-01	Analog Terminal Board (16-channels x 2) without surge absorber	S1	N/A	announcement letter dated 2010-10-06	Valid
SEA4D-11	Analog Terminal Board (16-channels x 2) with surge absorber	S1	N/A	announcement letter dated 2010-10-06	Valid
SED2D-01	Digital Terminal Board (4-channels x 4) without surge absorber	S2	N/A	announcement letter dated 2010-10-06	Valid
SED2D-11	Digital Terminal Board (4-channels x 4) with surge absorber	S2	N/A	announcement letter dated 2010-10-06	Valid
SED4D-01	Digital Terminal Board (16-channels x 2) without surge absorber	S2	N/A	announcement letter dated 2010-10-06	Valid
SED4D-11	Digital Terminal Board (16-channels x 2) with surge absorber	S2	N/A	announcement letter dated 2010-10-06	Valid
SWD2D-21	Digital Terminal Board (100-120VAC, 4-channels x 4)	S1	N/A	announcement letter dated 2010-10-06	Valid

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*Further HW Components suitable for use to build up safety loops up to SIL3 with ProSafe-RS:*

Model Name	Description	Revision Information		Report – No.	Status
		Style	Revision No.		
AIP602	FAN Unit for SSC10S/D, SSC50S/D	S1	N/A	968/EZ 196.00/05	Valid
AIP504-13	Vnet Coupler Unit	S1	U:0, H:0	968/EZ 196.00/05	Valid
SPW481-13	100-120V AC Input Power Supply Module for SSC10S/D, SNB10D, SSC50S/D, SNT10D	S1	U:0, H:3	968/EZ 196.15/08	Valid
SPW482-13	220-240V AC Input Power Supply Module for SSC10S/D, SNB10D, SSC50S/D, SNT10D	S1	U:0, H:3	968/EZ 196.15/08	Valid
SPW484-13	24VDC Input Power Supply Module for SSC10S/D, SNB10D, SSC50S/D, SNT10D	S1	U:0, H:4	968/EZ 196.15/08	Valid
SNT10D	Note Unit for Optical Bus Repeater Module	S1	N/A	968/EZ 196.08/06	Valid
SNT401-13	Optical ESB Bus Repeater Master Module for SSC10S/D, SNB10D, SSC50S/D, SNT10D	S1	U:1, H:0, F:1	968/EZ 196.08/06	Valid
SNT411-13	Optical ESB Bus Repeater Master Module for long distance	S1	U:0, H:0, F:1	968/EZ 196.11/07	Valid
SNT501-13	Optical ESB Bus Repeater Slave Module for SNB10D and SNT10D	S1	U:1, H:0, F:1	968/EZ 196.08/06	Valid
SNT511-13	Optical ESB Bus Repeater Slave Module for long distance	S1	U:0, H:0, F:1	968/EZ 196.11/07	Valid
SEC401-11	ESB Bus Coupler Module for SSC10S/D, SSC50S/D	S2	U:0, H:0	968/EZ 196.08/06	Valid
SSB401-13	ESB Bus Interface Module for SNB10D	S1	U:0, H:1	968/EZ 196.00/05	Valid

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**Safety Control System ProSafe-RS, R2.02**



*Further interference free HW Components suitable for use with ProSafe-RS:*

Model Name	Description	Revision Information		Report – No.	Status
		Style	Revision No.		
ALR111-S01	RS-232C Communication Module	S1	U:0, H1:4, H2:2, F:3	968/EZ 196.00/05	Valid
ALR121-S01	RS-422/RS485 Communication Module	S1	U:0, H1:4, H2:3, F:3	968/EZ 196.22/09	Valid

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**SIL3 compliant SW Components:**

Model Name	Description	Revision Information		Cert. / Report – No.	Status
		Style	Revision No.		
CFS1100	Safety Control Function for SCS	N/A	2.02.00	968/EZ 196.18/08	Valid

**Further SW Components suitable for use to build up safety loops up to SIL3 with ProSafe-RS:**

Model Name	Description	Revision Information		Report – No.	Status
		Style	Revision No.		
CHS5100	Safety System Generation and Maintenance	N/A	2.02.02	968/EZ 196.24/09	Valid
CHS5400	Document Map and Safety Manual as part of the Software and Electronic Instruction Manual Media – CHSKM02	N/A	2.02.00	968/EZ 196.18/08	Valid

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Revision Release List:

Safety Control System ProSafe-RS, R2.02



Further interference free SW Components suitable for use with ProSafe-RS:

Model Name	Description	Revision Information		Report – No.	Status
		Style	Revision No.		
CHSKM02	Software and Electronic Instruction Manual Media (Including: CHS5100, CHS2100, CHS2200, CHS5200, CHS5400, CHS5700)	N/A	2.02.00	968/EZ 196.18/08	Valid
CHS2100	SOE Viewer	N/A	2.02.00	968/EZ 196.18/08	Valid
CHS2200	SOE OPC Interface	N/A	2.02.00	968/EZ 196.18/08	Valid
CHS5200	Engineering for CS3000 Integration	N/A	2.02.00	968/EZ 196.18/08	Valid
CHS5700	FAST/TOOLS Integration Engineering Package	N/A	2.02.00	968/EZ 196.18/08	Valid
CHS5400	Electronic Instruction Manual	N/A	2.02.00	968/EZ 196.18/08	Valid
CFS9153	Modbus Communication Package (for ALR111, ALR121)	N/A	1.01.30	968/EZ 196.04/06	Valid

	Released by Manufacturer:	Released by Test Institute:	Released by Certifier:
<b>Signed:</b>	 Toshihiko Matsuda	 Karsten Rotzoll	 Heinz Gall
<b>Date:</b>	2010-10-27	2010-10-27	2010-10-27

## Revision Release List:

### Safety Control System ProSafe-RS, R2.02



#### Document-Revision

Date	Version	Revisions / Changes	Author
2008-06-13	2.0	R2.01: Windows Vista for SENG; Modification of: Windows Security Setting Function; Licence ID mechanism, CENTUM VP support; SPW481/SPW482/SPW484; SCP401/SCP451; Bug Fixes	Hu, Ro/ASI
2008-07-30	2.1	R2.01: SDV144 modification to increase the availability	Hu, Ro/ASI
2008-09-12	2.2	R2.01: modification of Vnet driver and installer of SENG; update of U revision for SDV144-S13 and SDV144-S33	Ro/ASI
2008-12-11	2.3	R2.02: New Output Module: SDV526-S33; Support of System for Upstream; Improvement of On-line Change Functions; Improvement of Self Documentation; Improvement of ISaGRAF Function; Improvement of Analyzer Function; Bug fixes	Ro/ASI
2009-05-18	2.4	Update of I/O-modules SDV531, SDV451 and SDV144, update of communication module ALR 121	Ro/ASI
2009-06-15	2.5	Update of CHS5100 including SCS simulator.	Ro/ASI
2009-06-30	2.6	R2.02.02: The module of basic HMI was modified to fix a bug	Ro/ASI
2009-11-30	2.7	Update of I/O-module SDV521	Ro, He / ASI
2010-10-27	2.8	Improvement for the robustness of inter-SCS communication (SCP451) Improvement for the robustness of SDV144/SDV521/SDV531/SDV541 Addition of terminal boards	Ro, He / ASI

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