



SAFETY  
NONSTOP

## Revision List

### X-Lib - IEC 61508 / IEC 61511 compliant function blocks

HI 801 138  
(1228)

Block Name	Description	Library	System Family		SILworX Version	Function Block		
			HIMax	HIMatrix		Version	Date	CRC
X_Deadband	Deadband function	Calculation	✓	✓	5.30.0	1.0-0	03.08.2011	16#921185f5
X_Integrator	Integrator function	Calculation	✓	✓	5.30.0	1.0-0	04.02.2011	16#4c500340
X_Interpol	Non-linear scaling function	Calculation	✓	✓	5.30.0	1.0-0	16.03.2009	16#5d169cf2
-	X_Interpol_Array	Data types	-	-	5.30.0	-	-	16#61adc462
-	X_Interpol_Struct	Data types	-	-	5.30.0	-	-	16#ca163785
X_Mean	Mean value calculation	Calculation	✓	✓	5.30.0	1.0-0	22.02.2011	16#6378b273
X_NRT	Normal root extraction	Calculation	✓	✓	5.30.0	1.0-0	25.01.2011	16#8d0ee5cb
X_PTCorr	Pressure/temperature correction	Calculation	✓	✓	5.30.0	1.0-0	23.02.2011	16#7dfe9101
X_Scale	Scaling function	Calculation	✓	✓	5.30.0	1.0-0	22.10.2009	16#4105ff5a
X_Alarm	Alarm sequence	Common	✓	✓	5.30.0	1.0-0	11.02.2009	16#04268d23
X_Debounce	Contact debouncing	Common	✓	✓	5.30.0	1.0-0	26.02.2009	16#e46240ae
X_FirstOut	First-out alarm sequence	Common	✓	✓	5.30.0	1.0-0	21.04.2009	16#666df967
X_Flasher	General purpose pulse generator	Common	✓	✓	5.30.0	1.0-0	11.02.2009	16#735cb198
X_LimH	Limit HIGH with hysteresis	Common	✓	✓	5.30.0	2.0-0	02.03.2011	16#b09e00c3
X_LimL	Limit LOW with hysteresis	Common	✓	✓	5.30.0	2.0-0	02.03.2011	16#6f2d1ef4
X_PID	PID controller	Controller	✓	✓	5.30.0	1.1-0	05.08.2009	16#1150853c
X_Ramp	Ramp function	Controller	✓	✓	5.30.0	1.0-0	24.07.2009	16#dfa86c97
X_BoolToByte	BOOL to BYTE converter	Converter	✓	✓	5.30.0	1.0-0	11.02.2009	16#22e08490
X_BoolToWorld	BOOL to WORD converter	Converter	✓	✓	5.30.0	1.0-0	11.02.2009	16#a240ed95
X_ByteToBool	BYTE to BOOL converter	Converter	✓	✓	5.30.0	1.0-0	11.02.2009	16#a046a715
X_WordToBool	WORD to BOOL converter	Converter	✓	✓	5.30.0	1.0-0	15.05.2009	16#48b85058
X_Ht_AI	Analog input conversion	HIMatrix		✓	5.30.0	1.0-0	27.04.2009	16#68cf6ce4
X_Hx_AI	Analog input conversion	HIMax	✓		5.30.0	1.0-0	04.03.2009	16#356282f7
X_UTC	Coordinated universal time	System	✓	✓	5.30.0	1.0-0	11.02.2011	16#8054109f



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Block Name	Description	Library	System Family		SILworX Version	Version	Function Block	
			HIMax	HIMatrix			Date	CRC
X_1oo2_B	1 out of 2 voting	Voter	✓	✓	5.30.0	1.0-0	11.02.2009	16#fe99cda3
X_1oo2_R	1 out of 2 voting	Voter	✓	✓	5.30.0	1.0-0	24.07.2009	16#d414ff28
X_2oo2_B	2 out of 2 voting	Voter	✓	✓	5.30.0	1.0-0	11.02.2009	16#0f65ecc7
X_2oo2_R	2 out of 2 voting	Voter	✓	✓	5.30.0	1.0-0	24.07.2009	16#cddf5bb6
X_2oo3_B	2 out of 3 voting	Voter	✓	✓	5.30.0	1.0-0	12.02.2009	16#4005a5e8
X_2oo3_R	2 out of 3 voting	Voter	✓	✓	5.30.0	1.0-0	26.08.2009	16#2bf5edef
X_3oo3_R	3 out of 3 voting	Voter	✓	✓	5.30.0	1.0-0	07.05.2010	16#e7c1ac1d
X_NooM	N out of M voting	Voter	✓	✓	5.30.0	1.0-0	16.02.2009	16#ff1759ef