

Certificate

No. 1433.GR.20200320.084727

TÜV NORD Systems GmbH & Co. KG hereby certifies to

Selectron Systems AG

Bernstrasse 70
3250 Lyss
SWITZERLAND

that the control systems

MAS 83x / MAS 73x and MAS 3xx

(refer to tracking list and compatibility matrix)

meets the requirements listed in the below mentioned standards

- DIN EN 61508:2011; SIL 2
- DIN EN 50657:2017; SIL 2
- DIN EN 50159:2011
- DIN EN 50128:2012; SIL 2
- DIN EN 50129:2003; SIL 2

Certification program Leittechnik (SEB-ZE-SEECERT-VA-320-20, Rev. 5.1 / 04.19)

Base of certification is the report
No. 1433.GR.20200320.084727, Version 1.0
from 30.04.2020.

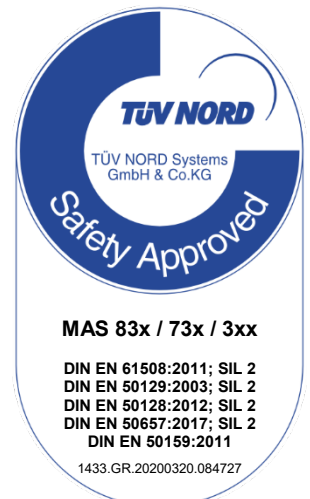
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Hamburg, 12.05.2020



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Tobias Nelke
(Head of certification body)



Tracking List

Version 1.0

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for the control systems

MAS 83x / MAS 73x and MAS 3xx

Module	Revision
CPU 835-T/SIL	Device revision B SW: MOS83x V760.A34D with PXROS-HR V6.1.1.2 under utilisation of the compiler tricore-gcc, version 4.6.4
DDT 735-TG/SIL and DDT 735-TV/SIL	Device revision A and B
DDT 737-TV/SIL	Device revision A
DDT 738-TF/SIL and DDT 738-TG/SIL	Device revision A
DIT 735-TG/SIL and DIT 735-TV/SIL	Device revision B
DOT 736-TV/SIL	Device revision B
DOT 738-TG/SIL and DOT 738-TF/SIL	Device revision A
DDC 735-TG/SIL	Device revision B
DDC 735-TV/SIL	Device revision A
DDE 735-TG/SIL	Device revision A
DDE 735-TV/SIL	Device revision A
PSM 835-TG and PSM 835-TV	Device revision A
SDIT 301-TF, SDIT 302-TF, SDIT 332-TF and SDIT 342-TF	Device revision A and B
SDOT 301-TF, SDOT 302-TF, SDOT 312-TF, SDOT 322-TF and SDOT 332-TF	Device revision B
AIT 735-T//SIL	Device revision A
SAIT 302-T/12B/I and SAIT 302-T/12B/U	Device revision A
SAIT 304-T/12B/I and SAIT 304-T/12B/U	Device revision A
SDDE 301-TF	Device revision A
SPSP 301-TF and SPSC 301-TF	Device revision A
SBTM 301-T	Device revision A
expandable with expansion and communication modules	

Communication protocol	Category according to DIN EN 50159:2011
CANopen	Category 2
SafetyCom	Category 2
CBus	Category 1
XBUS	Category 1
„SDTv2 via TRDP“	Category 1

User Library	Version
ULib1131-T	02.0.00

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Compatibility Matrix

Version 1.0

Certificate-No. 1433.GR.20200320.084727



Compatibility between module revision and operating system MOS83x

Modules	Revision	Operating system MOS83x					
		V720.A60D	V720.C3F3_RU1	V730.E26B	V740.EC3C	V750.8795	V760.A34D
Processing modules							
CPU 835-T/SIL	A	x	x	x	x	x	x
CPU 835-T/SIL	B	x	x	x	x	x	x
Node modules							
DDC 735-TG/SIL	A	x	x	x	x	x	x
DDC 735-TG/SIL	B	x	x	x	x	x	x
DDC 735-TV/SIL	A	x	x	x	x	x	x
SDDE 301-TF	A			x	x	x	x
DDE 735-TG/SIL	A				x	x	x
DDE 735-TV/SIL	A				x	x	x
Bus termination modules							
SBTM 301-T	A	no dependency					
Digital I/O-modules							
DDT 735-TG/SIL	A	x	x	x	x	x	x
DDT 735-TG/SIL	B	x	x	x	x	x	x
DDT 735-TV/SIL	A	x	x	x	x	x	x
DDT 735-TV/SIL	B	x	x	x	x	x	x
DDT 737-TV/SIL	A			x	x	x	x
DDT 738-TF/SIL	A			x	x	x	x
DDT 738-TG/SIL	A			x	x	x	x
Digital input modules							
DIT 735-TG/SIL	B	x	x	x	x	x	x
DIT 735-TV/SIL	B	x	x	x	x	x	x
SDIT 301-TF	A			x	x	x	x
SDIT 301-TF	B			x	x	x	x
SDIT 302-TF	A			x	x	x	x
SDIT 302-TF	B			x	x	x	x
SDIT 332-TF	A			x	x	x	x
SDIT 332-TF	B			x	x	x	x
SDIT 342-TF	A			x	x	x	x
SDIT 342-TF	B			x	x	x	x

Modules	Revision	Operating system MOS83x					
		V720.A60D	V720.C3F3_RU1	V730.E26B	V740.EC3C	V750.8795	V760.A34D
Digital output modules							
DOT 736-TV/SIL	B			x	x	x	x
DOT 738-TF/SIL	A			x	x	x	x
DOT 738-TG/SIL	A			x	x	x	x
SDOT 301-TF	B			x	x	x	x
SDOT 302-TF	B			x	x	x	x
SDOT 312-TF	B			x	x	x	x
SDOT 322-TF	B			x	x	x	x
SDOT 332-TF	B			x	x	x	x
Analogous input modules							
AIT 735-T/I/SIL	A					x	x
SAIT 302-T/12B/I	A			x	x	x	x
SAIT 302-T/12B/U	A			x	x	x	x
SAIT 304-T/12B/I	A			x	x	x	x
SAIT 304-T/12B/U	A			x	x	x	x
Supply modules							
PSM 835-TG	A	no dependency					
PSM 835-TV	A	no dependency					
SPSC 301-TF	A	no dependency					
SPSP 301-TF	A	no dependency					

x: given compatibility

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