

## Supplement 1 to Type Examination Certificate

**[14] TYPE EXAMINATION CERTIFICATE No****Nemko 07ATEX3090X****[15] Description of Equipment or Protective System**

The certificate is updated to include the following standards:

EN 60079-0:2006

EN 60079-15:2005

The certificate is extended to include nine new modules:

Type Designation	Equipment	Technical data	Ex code
RMP420	Remote Multipurpose Input and Output	24VDC, Power consumption: 10W Loop power: 24VDC, max 1A.	Ex nA II T4
RMP420S	Remote Multipurpose Input and Output	24VDC, Power consumption: 10W Loop power: 24VDC, max 1A.	Ex nA II T4
RCU501	Remote Controller Unit	24VDC, Heat dissipation: Max 20W Power consumption: max 20W, Bus Interface: 10-32VDC	Ex nA II T4
RDIO420S	Remote Digital Input and Output	24VDC, Heat dissipation: Max 12W Power consumption: max 6W for 32 inputs, 384W for 32 outputs Digital input: loop. 24V DC, 4mA, Digital output: loop: 24V DC, 0,5A RBUS Bus Interface: 10-32VDC	Ex nA II T4
BUS-TERM	Serial Process Bus Termination board	24VDC	Ex nA II T4
RSER200-4	Galvanic isolated serial line, interface module, 4 channels	24VDC, 50mA	Ex nA II T4
RHUB200-5	RBUS Hub, 5 channels	24VDC, 50mA RBUS interface: 18-32VDC	Ex nA II T4
RMC-ST	Media converter	10-32VDC	Ex nA II T4
EFI-16	Earth fault indicator	24VDC, 65mA	Ex nA nC II T4

**[16] Report No 117052 and the listed Descriptive Documents**

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**Supplement 1 to Type Examination Certificate****Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
RMP420 Schematics	305612	C	061203	23
RMP420 PCB assembly	316638	A	061203	3
RMP420 Assembly drawing	312579	A1	110707	4
RMP420 BOM	306712	A	150908	39
RDIO420S Schematics	317499	C	080520	10
RDIO420S PCB assembly	316540	B	080602	3
RDIO420S Assembly drawing	316891	A	051107	4
RDIO420S BOM	316564	A	150908	20
RCU501 Schematics	308137	B	281106	22
RCU501 PCB assembly	308138	C	271106	3
RCU501 Installation & dimensions	308925	A	100107	1
RCU501 Assembly drawing	308216	A	160608	4
RCU501 BOM	603439	B	150908	27
BUS – TERM schematics	318383	B	080403	1
BUS – TERM schematics	320534	A	260407	1
BUS – TERM Assembly drawing	318373	D	110308	1
BUS – TERM BOM	310955	B	150908	2
RHUB200 Schematics	301775	B	060207	10
RHUB200 Piggyback Schematics	301779	C	070206	3
RHUB200 PCB assembly	307044	B	030706	4
RHUB200 Piggyback PCB assembly	307046	C	280806	4
RHUB200 Assembly drawing	307041	A	281106	1
RHUB200 BOM	603442	A3	150908	14
RMC-ST schematics	322211	A	060608	1
RMC-ST PCB assembly	322212	B	090708	8
RMC-ST Assembly drawing	322210	B	090708	2
RMC-ST Dimensions	323520	B	080908	1
RMC-ST BOM	321520	1.0.0	150908	4
EFI-16 Assembly drawing	321494	A	220408	3
EFI-16 Circuit diagram	321498	A	210408	1
EFI-16 BOM	321493	1.0.0	150908	3
RSER200-4 Schematics	301536	B	060608	9
RSER200-4 Piggyback Schematics	301617	B	060608	6
RSER200-4 PCB assembly	301534	B	060608	4
RSER200-4 PCB Piggyback assembly	301538	B	060608	4
RSER200-4 Assembly drawing	308283	A	300107	1
RSER200-4 Installation & dimensions	308946	A	110107	1
RSER200-4 BOM	308274	1.0.3	050908	19
RMP420S BOM	319825	1.0.0	020209	34

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### [17] Special Conditions for Safe Use

1. The Module Termination Units shall be mounted in an enclosure which complies with the requirements of Clause 7 of EN 60079-15:2005 (or Clause 26.3 of EN 60079-15:2001) and has a degree of protection of at least IP54, or alternatively mounted in an Ex-e enclosure.
2. The choice of enclosure, placement of units, components and free volume inside the enclosure will affect the temperature. The maximum surface temperature shall not exceed temperature class T4, corrected for the maximum ambient at service ( $T_a$ : 55°C), within the safety margin of 5K.
3. Maximum ambient temperature inside enclosure shall not exceed 75°C.

### Essential Health and Safety Requirements

Covered by item 9

Oslo, 2009-03-16



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