



Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 12 342 - 98 HH

Company NORIS Automation GmbH
Muggenhofer Straße 95
D-90429 Nürnberg

Product Description Alarm and Monitoring System

Type NORIMOS 2000-TX

Environmental Category C, EMC2

Technical Data / Range of Application
19" rack: ER 2000-..
SA 390-2...G: Power supply unit, 5 V 2 A, 12 V 0.3 A, and 24 V 2 A
SA 371-3...G: Processor CPD 1802, interfaces: TTY, RS232C, RS485
SA 372-...G: 8 analog inputs 0 - 5 V DC, A/D-converter 8 bit resolution
SA 380-...G: Internal signal conditioner
SA 382-...G: Frequency transmitter, 0 - 100 Hz up to 0 - 10 kHz
SA 383-...G: Millivolt transmitter, 0 - 8.14 mV up to 0 - 30 mV DC
SA 384-...G: Pt 100 transmitter, - 30 °C - 50 °C up to 0 - 600 °C
SA 385-...G: Transmitter, input 0/2 - 10 V or 0/4 - 20 mA, output 0 - 4.7 V DC
SA 386-...G: Current transmitter, input 0/1-5 mA, 0/4-20 mA, output 0 - 4.9 V DC
SA 387-...G: Transmitter for thermistor sensor with linearisation
SA 378-...G: 8 binary inputs, 8 binary outputs n/o or n/c, 0.5 A max. 60 V DC
SA 474-...G: 16 analog output, 0 - 20 mA each
SA 370-...G: Serial interface, RS232, TTY, max. 19200 Bd
SA 563-...G: Watch dog and parallel interface
Degree of protection: IP 30

Test Standard Guidelines for the Performance of Type Approvals, Edition 2003;

Documents Test report : Rasek X840080LD, 84080 MA; LGA: 478 1205,476 10525; 25 1056
RP1+2; NORIS 06/07 1998, Software questionnaire class 3
Documents: B0... B4-N2000, Tab 413 - 1, Manual: Info460 - 479
Circuit Diagram: SA520-20 to -28, 528-1, 529-1, 58.445.11-12, -111, SA524-1, -5

Remarks None

Valid until 2010-03-28

Page 1 of 2

Type Approval Symbol



File No. I.A.03

Hamburg, 2005-05-02

Germanischer Lloyd

J. Wittburg
J. Wittburg

H. Jansen
H. Jansen



Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 12 342 - 98 HH

Technical Data/ Range of Application	N2000 - DP11:	Standard display unit
	N2000 - DP31:	Display with 16 digital I/O and RS232
	N2000 - ED4/ED41:	Case for installation of mini-terminal
	N2000 - UN:	Interface with 16 digital I/O (without display)
	N2000 - COM - G:	RS 232 interface
	N2000 - LF:	Indicator Lamps
	Degree of Protection:	Front IP32
	Communication:	CAN-BUS
	Power supply:	24 V DC

Valid until 2010-03-28

Page 2 of 2

Type Approval Symbol



File No. I.A.03

Hamburg, 2005-05-02

Germanischer Lloyd

J. Wittburg
J. Wittburg

H. Jansen
H. Jansen

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".