

Declaration of conformity

We hereby declare that

Product Name: SOMANET Node 400/1000/2000 **Safety**

Product Identification: **STN - VV - CC - NN EE SB - xxx**

STN - VV - CC - NN EE **SB - xxx**

Nominal Supply Voltage (V)

24 = 24 V
48 = 48 V

MAX Phase Current RMS (A)

13 = 13.2 A
33 = 33 A
66 = 66 A

Network Communication

EC = EtherCAT
EN = Ethernet
CN = CAN
RS = Real Time Serial
RT = Real Time Ethernet
SC = SERCOS
PN = PROFINET
PL = POWERLINK

Encoder Option

F0 =

Encoder Port 1:	Encoder Port 2:
Hall	Hall
ABI	ABI
BiSS-C	BiSS-C
SSI	SSI
A-Format	I2C

F1 =

Encoder Port 1:	Encoder Port 2:
Half-Duplex	Hall
ABI	ABI
BiSS-C	BiSS-C
SSI	SSI
A-Format	I2C

Options

[blank] = No additions

A = Analog options

A1 = differential 5V

A2 = differential 10V

A3 = single ended 5V

A4 = single ended 10V

A5 = single ended 20V

C = Power Connector:

C1 = no connector

C2 = custom connector

C3 = wires

H = Heatsink

H1 = custom variant 1

H2 = custom variant 2

H3 = custom variant 3

(...)

P = Power Supply

P1 = 24V AUX enabled

Product Safety functions: **STO, SBC** (according to IEC 61800-5-2:2017)

fulfills all relevant requirements of:

- **Machinery Directive 2006/42/EC**

(Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC)

- **EMC 2014/30/EU**

(Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility)

- **RoHS 2011/65/EU**

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Notified body which carried out the EC type examination:

TÜV SÜD Product Service GmbH Zertifizierstellen

Ridlerstraße 65

D-80339 MÜNCHEN

NB 0123

The following harmonised standards were applied:

- IEC 61800-5-1:2007 Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy
- ISO 13849-1:2015 Safety of machinery – Safety-related parts of control systems. Part 1: General principles for design
- ISO 13849-2:2012 Safety of machinery – Safety-related parts of control systems. Part 2: Validation
- IEC 60204-1:2016 Safety of machinery – Electrical equipment of machines – Part 1: General requirements
- IEC 61800-5-2:2017 Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional
- IEC 61800-3:2017 Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods

Other standards that were applied:

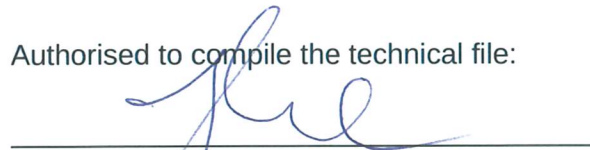
- IEC 61508:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Parts 1-7

Empowered to draw up this Declaration of Conformity:



Nikolai Ensslen (CEO & President)
Schönaich, 2021-03-08

Authorised to compile the technical file:



Jan Christopher Rode (Technical Marketing)
Schönaich, 2021-03-08