

Original EU-Declaration of Conformity



Synapticon GmbH
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71101 Schönaich
Germany

Product name:

SOMANET ACTILINK-S Integro

Product safety functions:

STO, SBC (according to IEC 61800-5-2:2017)

Product Code: ASC1-061A-0K-060-ECMH-M2G3-STO-01-XXXX	
Product Family	ASC1 ACTILINK-S - Compact Line
Flange Size	06 60 mm 08 80 mm
Stack Length	[1...3] 1 Stack Unit ... n Stack Units
Winding Type	A Standard: 3000 rpm_{typ} @48 V [B...Z] Alternative Speed/Voltage Ratios
Brake	B Brake 0 No Brake
Shaft Properties	S Smooth w/ Shaft Seal T Smooth w/o Shaft Seal K Keyway w/ Shaft Seal L Keyway w/o Shaft Seal
Max Inverter Current	060 Default / Full (ASC1-06 models) 120 Default / Full (ASC1-08 models) [other] Phase Current Limit in A_{max}
Field Bus	EC EtherCAT EP PROFINET EI Ethernet/IP CB CAN Bus
Int. Feedback Encoder	SL Abs. Magnetic 12 bit SM Abs. Magnetic 14 bit SH Abs. Magnetic 18 bit NH Abs. Magnetic 14 bit + Multi Turn NH Abs. Magnetic 18 bit + Multi Turn NN No Integrated Encoder
Options	[blank] No Option [other] On Request
Functionality Set	01 Servo 02 Limited Dynamics 04 Servo with User Scripting
Functional Safety	STO STO/SBC via IO SM0 STO/SBC/Stopping via Safety Field Bus SM1 Safe Motion 1 (Velocity-Based) SM2 Safe Motion 2 (All Safety Functions) NN No Functional Safety
GPIO	E1 External Encoder + 24 V D2 2x DI + 24 V G3 Ext. Enc. + 2x DIO + 1x DI + 2x AI + 24 V NN No GPIO
Connectors	M1 M12: Pow + IO -- M8: Bus (x2) + STO M2 M12: Pow (x2) + IO -- M8: Bus (x2) + STO M3 M12: Pow -- M8: Bus (x2) + STO H1 Hybrid I-Tec H2 Hybrid I-Tec + M12 IO H3 Hybrid Y-Tec H4 Hybrid Y-Tec + M12 IO Lx Open Leads

We hereby declare that the products mentioned fulfill all relevant requirements of the following European Directives:

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
2014/30/EU	Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility
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 harmonized standards were applied:

IEC 60204-1:2016	Safety of machinery - Electrical equipment of machines Part 1: General requirements
IEC 62061:2021	Safety of machinery - Functional safety of safety-related control systems
IEC 61800-3:2017	Adjustable speed electrical power drive systems Part 3: EMC requirements and specific test methods
IEC 61800-5-1:2007	Adjustable Speed Electrical Power Drive Systems Part 5-1: Safety Requirements - Electrical, Thermal and Energy
IEC 61800-5-2:2017	Adjustable speed electrical power drive systems Part 5-2: Safety requirements - Functional
ISO 13849-1:2023	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

Other standards that were applied:

IEC 61508:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems - Parts 1-7
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Authorized to compile the technical file

Empowered to draw up this Declaration of Conformity

A handwritten signature in blue ink, reading "S. Nesper".

Simon Nesper (Hardware Engineer)
Schönaich, 11.12.2025

A handwritten signature in blue ink, reading "Nikolai Ensslen".

Nikolai Ensslen (CEO & President)
Schönaich, 11.12.2025