

# B-NIMIS SC-1000, SC-I/O

## INFORMATION TECHNICAL DATA

B-Nimis SC-1000, SC-I/O		
Description	SC-1000	SC-I/O
Order number	<b>S-01060101-0000</b>	<b>S-01060201-0000</b>
Dimensions (WxHxD) [mm]	25 x 124 x 83	25 x 124 x 92
Weight	approx. 150 g	
Mounting	Rail mounting NS 35/7,5 EN 50022	
Safety standard	IEC 61508 SIL 3 and DIN EN ISO 13849-1 PL e	
Development environment	CODESYS V3 (IEC61131-3) with Safety Plug in	
Communication interfaces	1x EtherCAT, LVDS	
Safety protocol	Safety over EtherCAT (FSoE)	
Digital I/Os	-	4x failsafe digital In 2x failsafe digital Out
Realizable safety functions	4x emergency stop 4x contact detector 2x light grids 2x single-hand operation 2x independent	
Supply voltage	5 V DC via LVDS connection comes from head module (Bus Coupler or PLC in accordance with EN 61131-2, Supply with 24 V DC, min. -15% / +20% SELV/PELV)	
Current consumption	Typ. 0,3 A	Typ. 0,3 A max. 2x 2A depending on load of the I/O
Operating conditions transport / storage	Ambient temperature: Operating: 0 °C to 55 °C / Transport -25 °C to +70 °C Relative humidity: 5...95%, non-condensing	
<b>EMC, Protection type</b>		
Immunity of interference	Installation in zone B according to 61000-6-2, in accordance with EN61131-2, installation on earthed top-hat rail in earthed switch cabinet. Install the earthing according to the operating conditions.	Zone B according to EN 61131-2:2007, Installation on earthed rail in earthed switch cabinet
Overvoltage category	Category II according to IEC 60664-1, in accordance with EN 61131-2	Categories II and II of Annex I EN 61131-2:2007
Protection type	IP20	
Vibration	5...8,4 Hz: ±3,5 mm Amplitude, 8,4...150 Hz: 10 m/s <sup>2</sup> (1g), nach IEC 60068-2-6, Prüfung Fc	
Schock resistance	150 m/s <sup>2</sup> (15g), 11 ms half-sine, after IEC 60068-2-27	

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