

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	S-01060101-0000	S-01060201-0000
Type designation	E-I/O Safety PLC - 204909000	E-I/O S-DI4 S-DO2 - 204809000
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 plugin	
Communication interface	1x EtherCAT, LVDS	
Safety protocol	Safety over EtherCAT (FSoE)	
Digital I/O's	-	4x failsafe digital inputs 2x failsafe digital outputs
Realisable safety functions	4x emergency stop switches, 4x contact detectors, 2x light grids, 2x single handed operation 2x independent output functions	
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 I/O load
Operating conditions Transport / storage	Ambient temperature: operational: 0 °C to 55 °C / transport -25 °C to +70 °C Relative humidity: max. 95%, non-condensing	
EMC, protection type		
Interference immunity	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, Installa- tion on earthed top-hat rail in earthed switch cabinet
overvoltage category	Category II according to IEC 60664-1, in accordance with EN 61131-2	Category II according to EN 61131-2:2007
Protection type	IP20	
Vibration	5...8.4 Hz: ±3.5 mm amplitude, 8.4...150 Hz: 10 m/s ² (1g), according to IEC 60068-2-6, test Fc	
Schock resistance	150 m/s ² (15g), 11 ms sine half-wave, according to IEC 60068-2-27	

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