

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

INFORMATION TECHNICAL DATA

B-Nimis SC-1000, SC-I/O			
Description	SC-1000	S-DI4 S-D02	S-DI8 S-D02
Order number	S-01060101-0000	S-01060201-0000	694.430.10
Dimensions (WxHxD) [mm]	25 x 124 x 83	25 x 124 x 92	
Weight	ca. 150 g		
Mounting	Rail mounting NS 35/7,5 EN 50022		
Certification	CE (EN 61131-2) / ζ UL _{us} (UL 61010-2-201)		
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	8x 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	Via fieldbus	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse polarity protection	
Current consumption fieldbus	Type 0,24 A	Type 0,3 A	
Current consumption I/O	-	Depending on output load max. 4A on duration	
Operating conditions transport / storage	Ambient temperature: Operating: 0 °C to 55 °C / Transport -25 °C to +70 °C Relative humidity: 5...95%, non-condensing		
EMC, Protection type			
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.		
Overvoltage category	Category II according to IEC 60664-1, in accordance with EN 61131-2	Zone B according to EN 61131-2:2007, Installation on earthed rail in earthed switch cabinet	
Protection type	IP20		
Vibration	5...8,4 Hz: ±3,5 mm Amplitude, 8,4...150 Hz: 10 m/s ² (1g), nach IEC 60068-2-6, Prüfung Fc		
Schock resistance	150 m/s ² (15g), 11 ms half-sine, after IEC 60068-2-27		

You can reach us at:

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

INFORMATION TECHNICAL DATA

B-Nimis SC-I/O		
Description	S-DI16 S-DO4	S-DI16
Order number	694.430.20	694.431.00
Dimensions (WxHxD) [mm]	25 x 124 x 92	
Weight	ca. 150 g	
Mounting	Rail mounting NS 35/7,5 EN 50022	
Certification	CE (EN 61131-2) / ζ UL _{us} (UL 61010-2-201)	
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/O's	16x failsafe digital In 4x failsafe digital Out	16x failsafe digital In
Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse polarity protection	
Current consumption fieldbus	Type 0,3 A	
Current consumption I/O	Depending on output load max. 8A	-
Operating conditions transport / storage	Ambient temperature: Operating: 0 °C to 55 °C / Transport -25 °C to +70 °C Relative humidity: 5...95%, non-condensing	
EMC, Protection type		
Immunity of interference	Zone B according to EN 61131-2:2007, Installation on earthed rail in earthed switch cabinet	
Overvoltage category	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), nach IEC 60068-2-6, Prüfung Fc	
Schock resistance	150 m/s ² (15g), 11 ms half-sine, after IEC 60068-2-27	

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