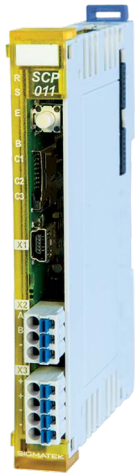


S-DIAS Safety CPU Module SCP 011



with 1 Safety Interface
1 USB Device
1 microSD Slot

The S-DIAS 011 Safety CPU module supports up to 16 Safe I/O modules. In addition, the SCP 011 can operate handheld devices with Emergency Stop and/or confirmation buttons. The Safety CPU component has the safety integrity level SIL3 or SIL CL 3 (EN / IEC 62061) or Performancelevel e (PL e) (EN ISO 13849-1/-2).

The Safety-related SCP 011 is ideal for use in systems with optional modules and interface variables. The SCP 011 module alone is already a minimal system of a safety control.

Performance Data

Interfaces	1x Safety Interface
Program interfaces	1x USB device
Bus connection possible	yes
Miscellaneous	microSD slot
Supply voltage	+24 V

Electrical Requirements

Module Supply (Input)

Supply voltage	+18-30 V DC, typically +24 V DC UL: Class 2 or LVLC				
Current, internal consumption	typically 90 mA internal consumption				
Current consumption	maximum 1.4 A				
Current consumption from the S-DIAS bus		+5 V		+24 V	
	with missing +24 V connection (X3)	typically 170 mA	maximum 200 mA	0 A	0 A
	with existing +24 V connection (X3)	0 A	0 A	0 A	0 A

S-DIAS Bus/Safety Supply (Output)

Voltage supply	in the S-DIAS bus	+5 V	+24 V
		0 A	0 A
	in the S-DIAS Safety bus (supply of the I/O modules)	+12 V	+24 V
		max. 0.8 A	max. 0.8 A

Article Number and Miscellaneous

Article number	20-890-011
Dimensions	12.5 x 104.2 x 72 mm (W x H x D)
Standard	UL 508 (E247993)
Approvals	UL, cUL, CE

Environmental Conditions

Storage temperature	-20 ... +85 °C	
Environmental temperature	0 ... +60 °C	
Humidity	0-95 %, non-condensing	
Installation altitude above sea level	0-2000 m without derating	
	> 2000 m with derating of the maximum environmental temperature by 0.5 °C per 100 m	
Operating conditions	pollution degree 2	
EMC resistance	in accordance with 61000-6-7:2015 (Generic standards - Immunity requirements for equipment intended to perform functions in safety-related systems (functional safety) at industrial locations) in accordance with EN 61000-6-2:2007 (industrial area) (increased requirements in accordance with IEC 62061)	
EMC noise generation	in accordance with EN 61000-6-4:2007 (industrial area)	
Vibration resistance	EN 60068-2-6	3.5 mm from 5-8.4 Hz 1 g from 8.4-150 Hz
Shock resistance	EN 60068-2-27	15 g
Protection type	EN 60529	IP20