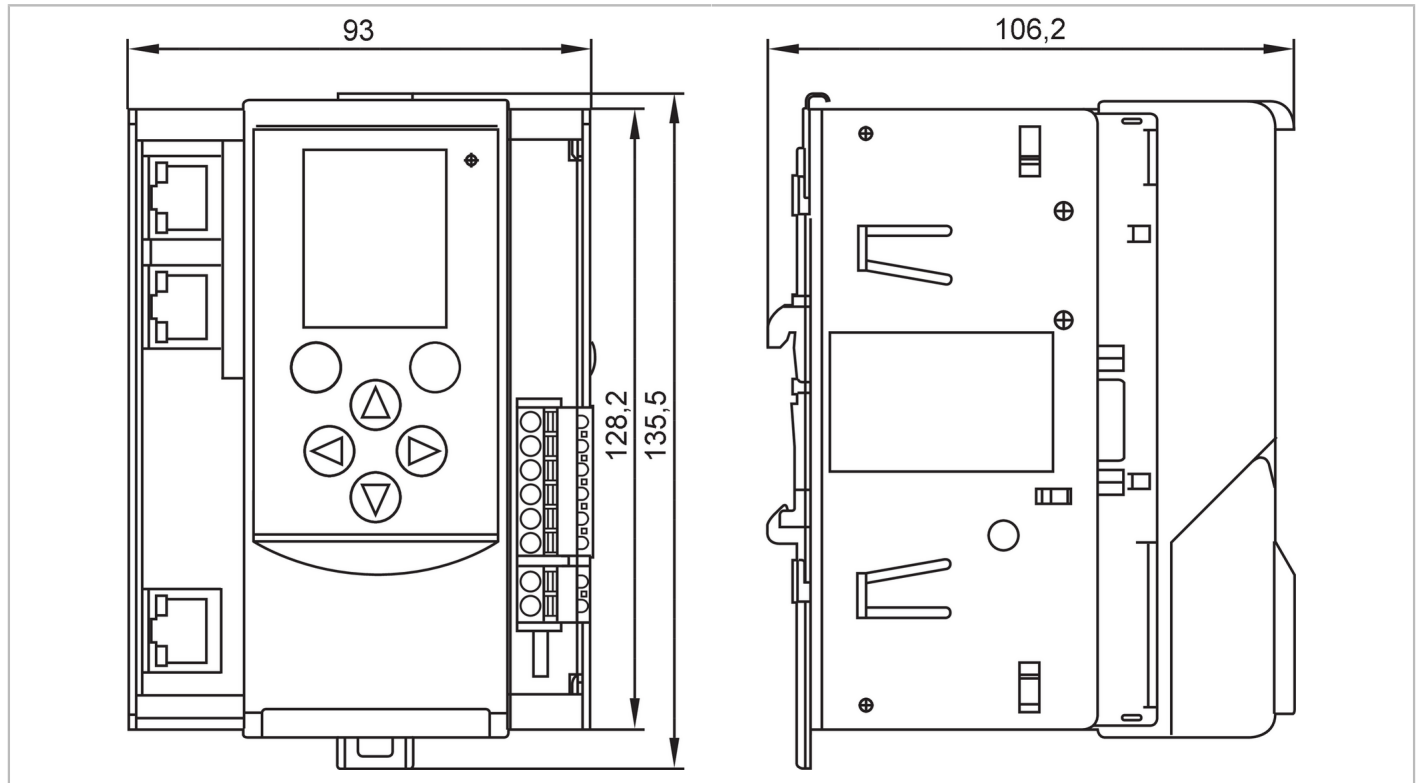


AC402S



AS-Interface PROFINET gateway with fail-safe PLC

SmartPLC SafeLine 2ASi PN



Application

Design	housing for DIN rail mounting
Application	PROFINET gateway with safe preprocessing

Electrical data

Operating voltage	[V]	18...32 DC; (AUX)
Current consumption	[mA]	< 750
Max. current consumption from AS-i	[mA]	AS-i 1: 10 mA; AS-i 2: 10 mA
Number of AS-i masters		2
Electrical separation		yes

Inputs

Input circuit of digital inputs		PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs		to SELV/PELV
Voltage supply	[V]	24; (18...32 DC)
Input current High	[mA]	7

Outputs

Circuit		PNP
Voltage range DC	[V]	24; (18...32 DC ; to SELV/PELV)
Max. current load per output	[mA]	500; (utilization category DC-13 (control of electromagnets))
Switching frequency AC	[Hz]	< 25
Short-circuit proof		yes
Electrically separated		yes



AS-Interface PROFINET gateway with fail-safe PLC

SmartPLC SafeLine 2ASi PN

Interfaces	
Communication interface	Ethernet; OPC-UA
Ethernet - EtherCAT	
Protocol	EtherCAT
Usage type	Data transmission; Programming
Ethernet - EtherNet/IP	
Transmission rate	100 MBaud
Protocol	EtherNet/IP
Usage type	Programming
Ethernet - FSoE	
Protocol	FSoE
Ethernet - Modbus TCP	
Transmission rate	10 MBaud; 100 MBaud
Type of connector	RJ45
Protocol	Modbus TCP
Usage type	Programming
Ethernet - PROFINET	
Transmission rate	100 MBaud
Type of connector	RJ45
Protocol	PROFINET
Usage type	Data transmission
Note on interfaces	Device Class B
Ethernet - TCP/IP	
Transmission rate	10 MBaud; 100 MBaud
Type of connector	RJ45
Protocol	TCP/IP
Usage type	Programming
Ethernet - UDP/IP	
Transmission rate	10 MBaud; 100 MBaud
Type of connector	RJ45
Protocol	UDP/IP
Usage type	Programming
Operating conditions	
Ambient temperature [°C]	0...45
Note on ambient temperature	cULus: ...50 °C
Storage temperature [°C]	-20...70
Max. relative air humidity [%]	95; (non condensing)
Max. height above sea level [m]	2000
Protection	IP 20
Safety classification	
Complies with the requirements	ISO 13849-1: 2023 Category 4, PL e IEC 61508 SIL 3
Mission time TM [h]	175200

AC402S



AS-Interface PROFINET gateway with fail-safe PLC

SmartPLC SafeLine 2ASi PN

Mission time TM (additional indication)		20 years
PFH	[1/h]	1,21E-08
PFD		1,04E-04
Max. internal inductance	[μH]	400

AS-i classification

AS-i version		3.0
AS-i master profile		M4
AS-i certificate		125301

Mechanical data

Weight	[g]	840.7
Housing		rectangular
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	135.5 x 93 x 106.2
Material		aluminum powder-coated; steel sheet galvanized; PC

Displays / operating elements

Display	Function	1 x LED, red/green
		full graphic LCD display

Accessories

Items supplied		terminals
----------------	--	-----------

Remarks

Pack quantity		1 pcs.
---------------	--	--------

Electrical connection - 1

Connection	
------------	--

X1, X2 Power supply

	AS-i 2+
	AS-i 2-
	AS-i 1+
	AS-i 1-
	FE
	n.c.
	24 V
	GND



AS-Interface PROFINET gateway with fail-safe PLC

SmartPLC SafeLine 2ASi PN

Electrical connection - 2

Connection

X1, X2 Power supply

