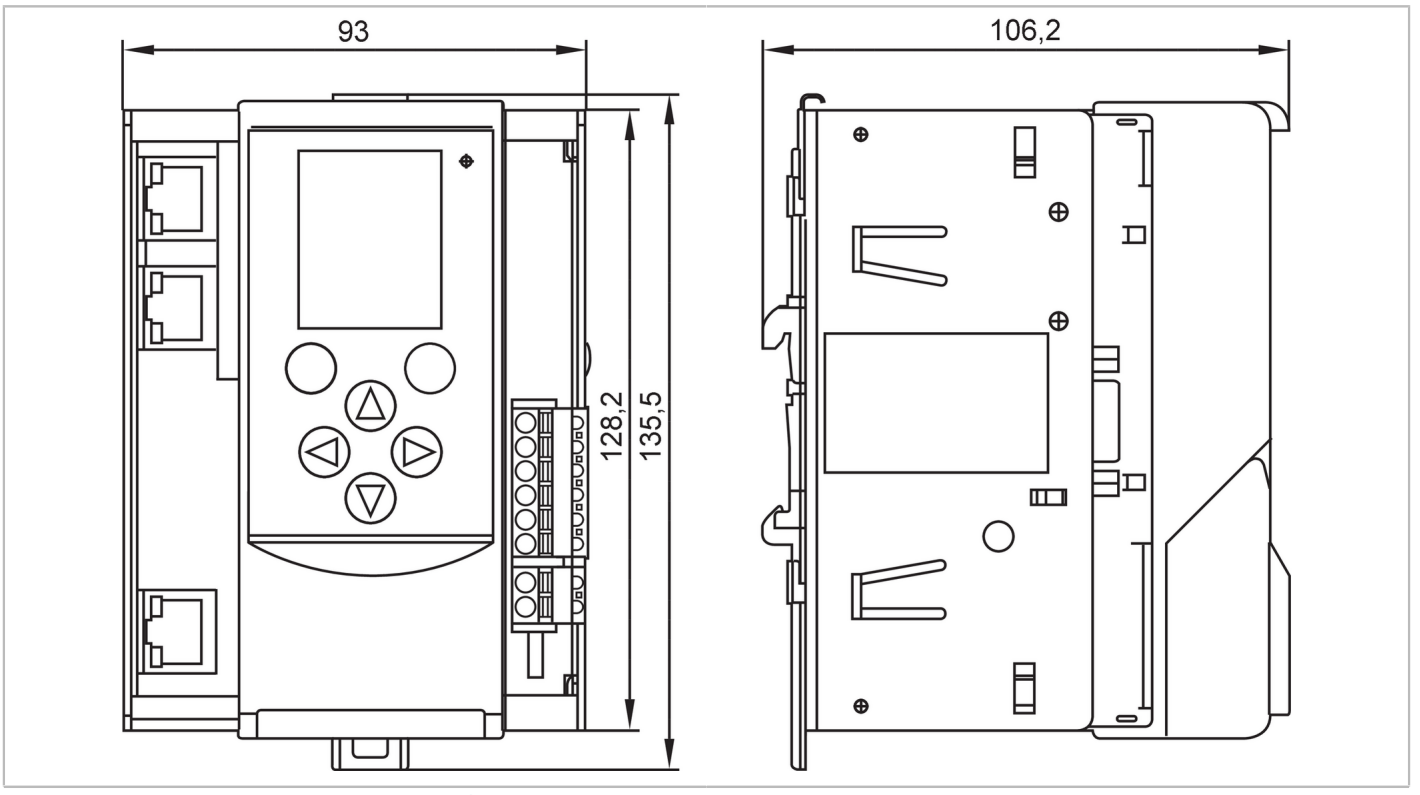
AC402S

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; (utilisation category DC-13 (control of electromagnets))
Switching frequency AC	[Hz]	< 25
Short-circuit proof		yes
Electrically separated		yes

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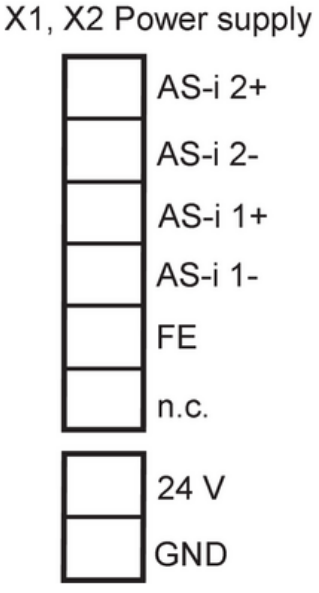
Interfaces		
Communication interface		Ethernet; OPC-UA
Ethernet - EtherCAT		
Protocol		EtherCAT
Usage type		data transmission; programming
Ethernet - EtherNet/IP		
Transmission rate		100 MBaud
Protocol		EtherNet/IP
Usage type		programming
Ethernet - FSoE		
Protocol		FSoE
Ethernet - Modbus TCP		
Transmission rate		10 MBaud; 100 MBaud
Connector type		RJ45
Protocol		Modbus TCP
Usage type		programming
Ethernet - PROFINET		
Transmission rate		100 MBaud
Connector type		RJ45
Protocol		PROFINET
Usage type		data transmission
Note on interfaces		Device Class B
Ethernet - TCP/IP		
Transmission rate		10 MBaud; 100 MBaud
Connector type		RJ45
Protocol		TCP/IP
Usage type		programming
Ethernet - UDP/IP		
Transmission rate		10 MBaud; 100 MBaud
Connector type		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

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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
Materials		aluminium powder-coated; steel sheet galvanised; 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		



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AS-Interface PROFINET gateway with fail-safe PLC

SmartPLC SafeLine 2ASi PN

Electrical connection - 2

Connection

