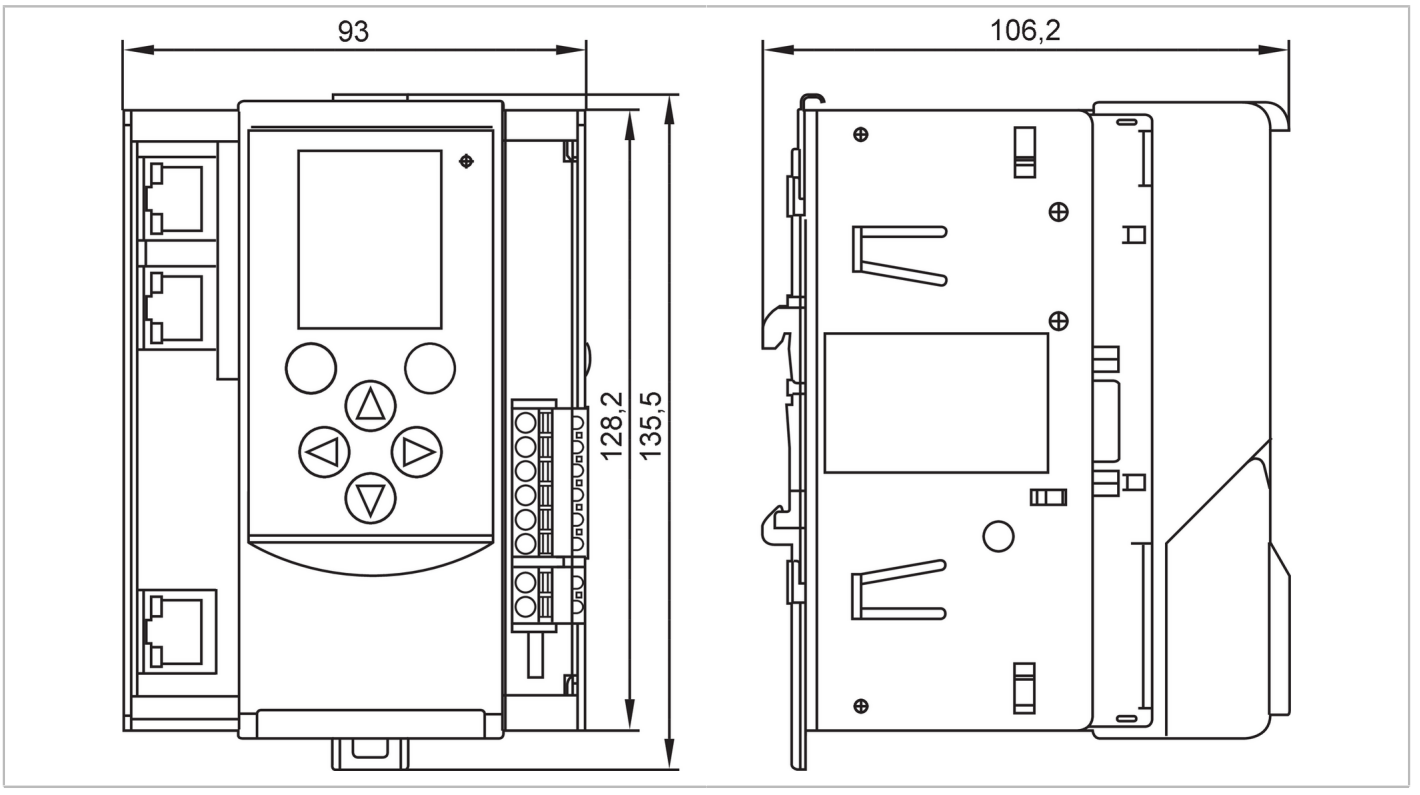
# AC422S

## AS-Interface EtherNet/IP gateway with fail-safe PLC

SmartPLC SafeLine 2ASi EIP




| | | |
|---|---|---|
| **Application** | | |
| Design | | housing for DIN rail mounting |
| Application | | EtherNet/IP 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 |

# AC422S

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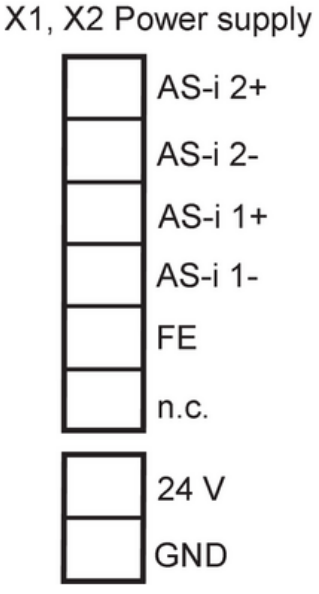
| | | |
|---|---|---|
| **Interfaces** | | |
| Communication interface | | Ethernet |
| Ethernet - EtherCAT | | |
| Protocol | | EtherCAT |
| Usage type | | programming |
| Ethernet - EtherNet/IP | | |
| Transmission rate | | 100 MBaud |
| Protocol | | EtherNet/IP |
| Usage type | | data transmission; programming |
| Ethernet - FSoE | | |
| Protocol | | FSoE |
| Ethernet - Modbus TCP | | |
| Transmission rate | | 10 MBaud; 100 MBaud |
| Connector type | | RJ45 |
| Protocol | | Modbus TCP |
| Usage type | | programming |
| 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 |
| Protection | | IP 20 |
| **Safety classification** | | |
| Complies with the requirements | | ISO 13849-1: 2023 category 4, PL e<br>IEC 61508 SIL 3 |
| Mission time TM | [h] | 175200 |
| 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 |

# AC422S

## AS-Interface EtherNet/IP gateway with fail-safe PLC

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| | | | |
|---|---|---|---|
| AS-i certificate | | | 125301 |
| **Mechanical data** | | | |
| Weight | [g] | | 851.4 |
| 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 | | | |



# AC422S

## AS-Interface EtherNet/IP gateway with fail-safe PLC

SmartPLC SafeLine 2ASi EIP

### Electrical connection - 2

Connection

