

AX 722F

Freelance hardware selector



The S700 I/O family can be used as direct I/O for AC 700F and AC 900F Freelance controllers or as PROFIBUS remote I/O with AC 700F, AC 900F, or other PROFIBUS Masters.

S700 I/O has a small footprint - the modules are featured with a high packing density, and several modules are available with inputs and outputs mixed in one module. These modules cover a wide variety of applications and give maximum flexibility. The S700 I/O is compliant with cULus and certified for installation in hazardous locations according to UL Class I, Division 2 (Groups A, B, C, and D).

The AX 722F module offers even more flexibility, as it combines analog input and output channels in one module with 16 channels. Eight of these channels can be individually configured as inputs, which can again sense voltage, current, or temperatures.

Furthermore, four channels can be configured as analog voltage outputs (-10 V to +10 V) or analog current outputs (0 ... 20 mA or 4 ... 20 mA) and the remaining four channels can provide voltage signals in the range from -10 V to +10 V.

Features and benefits

- 16 channels
- Four channels can be configured as analog voltage outputs
- Combines analog input and output
- as direct I/O and PROFIBUS I/O

| General info | |
|--------------------|---------------------|
| Article number | 3BDH000377R0005 |
| Type | Analog Input/Output |
| Life cycle status | Active |
| Number of channels | 16 |
| Signal type | Analog Input/Output |
| HART | No |
| SOE | No |
| Redundancy | No |
| Mechanics | S700 |

Detailed data

| | |
|------------------------------------|--|
| Resolution | Input: 12 bits (+ sign) Output: Range 0...10 V: 12 bits Range -10...+10 V: 12 bits + sign Range 0...20 mA: 12 bits Range 4...20 mA: 12 bits Temperature : 0.1 °C / 0.18 °F |
| Input voltage range, "0" | -30 V...+5 V |
| Input voltage range, "1" | +13 V...+30 V |
| Maximum field cable length | 100 m |
| Common mode voltage input | 24 VDC |
| Power dissipation | 6 W |
| Current consumption +24 V external | 0.10 A |

Diagnostics

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|-------------|---|
| Front LED's | 40 LEDs for signals and error indication, where the brightness depends on the current (or signal level) |
|-------------|---|

Environment and certification

| | |
|-------------------------------|---|
| CE mark | Yes |
| Electrical safety | EN 50178, IEC 61131-2, UL 61010-1, UL 61010-2-201 |
| Hazardous Location | cULus Class 1 Div 2 |
| Protection rating | IP20 |
| Climatic operating conditions | Operation 0 ... +60 °C, Storage -40 ... +70 °C |
| RoHS compliance | Directive 2011/65/EU |
| WEEE compliance | DIRECTIVE/2012/19/EU |

Dimensions

| | |
|--------|---------|
| Width | 67.5 mm |
| Depth | 76 mm |
| Height | 54 mm |
| Weight | 300 g |

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