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

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

ABB