Input/output modules

Analog input module with thermocouple inputs
The AS-Interface analog input module enables analog signals from thermocouples to be monitored via AS-Interface.

Features
• M461154A   four (4) analog type "J" thermocouple inputs
• IM461155A   four (4) analog type "K" thermocouple inputs
• 16-bit resolution
• Peripheral fault indication
• Cold junction temperature compensation

Specifications

Device profile	ID=3, ID2=E, I/O=7
Master requirement	AS-Interface version 2.1 master required
Inputs (IM461154A)	(4) type "J" thermocouple
Inputs (IM461155A)	(4) type "K" thermocouple
Range of value	-200°C to +760°C
Operating voltage	30 VDC AS-Interface voltage
Operating current	< 100mA
Voltage supply, sensors	Via AS-i or external 24VDC
Internal resistance	1M ohms
Resolution	16-bit / 0.1°C
Indication	AS-Interface coltage (AS-i), green LED AS-Interface comm error (fault), red LED Analog signal 1 (I1) Analog signal 2 (I2) Analog signal 3 (I3) Analog signal 4 (I4)
Operating temperature	0° to +70°C (32° to 158°F)
Stock temperature	-25° to +85°C (-13° to +185°F)
Housing	Engineered resin, DIN rail
Dimensions (L, W, H)	105mm, 22.5mm, 116mm
Protection	IP20

Input/output modules

Analog input module with thermocouple inputs

The AS-Interface analog input module enables analog signals from thermocouples to be monitored via AS-Interface.

Features

• Four (4) analog PT100 thermocouple inputs
• 2 wire mode / 4 wire mode
• 16-bit resolution
• Peripheral fault indication

Specifications

Device profile	ID=3, ID2=5, I/O=7
Master requirement	AS-Interface version 2.1 master required
Inputs (IM461156A)	(4) PT100 thermocouple
Range of value	-200°C to +850°C
Operating voltage	30 VDC AS-Interface voltage
Operating current	< 80mA
Voltage supply, sensors	Via AS-i or external 24VDC
Internal resistance	50 ohms
Resolution	16-bit / 0.1°C
Indication	AS-Interface voltage (AS-i), green LED AS-Interface comm error (fault), red LED Analog signal 1 (I1) Analog signal 2 (I2) Analog signal 3 (I3) Analog signal 4 (I4)
Operating temperature	0° to +70°C (32° to 158°F)
Stock temperature	-20° to +85°C (-4° to +185°F)
Housing	Engineered resin, DIN rail
Dimensions (L, W, H)	105mm, 22.5mm, 114mm
Protection	IP20