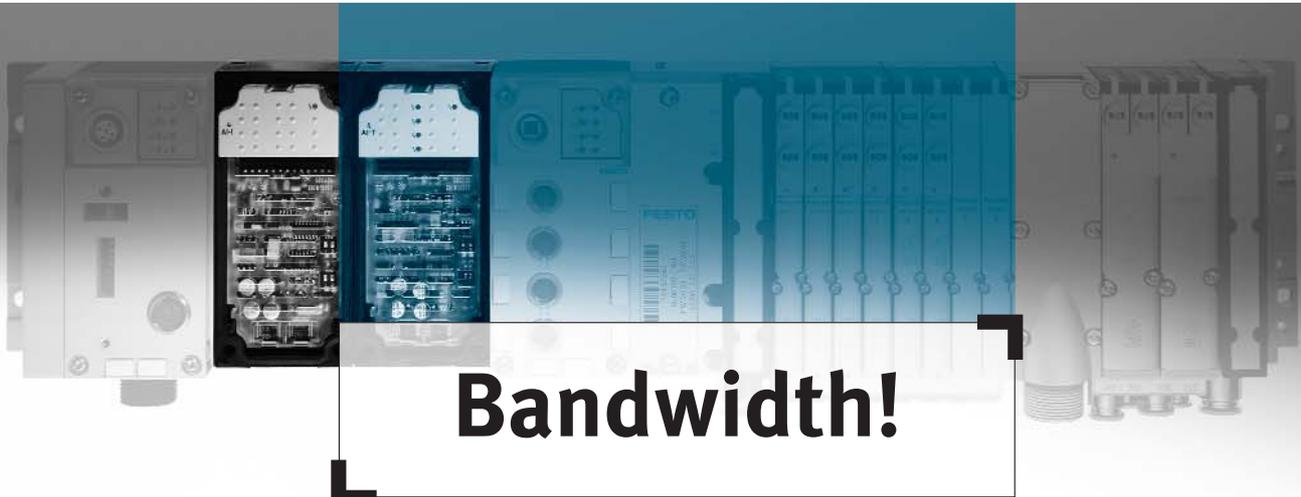


CPX terminal

Analogue I/O modules CPX-4AE-T/CPX-4AE-I

FESTO



Process automation and production processes: These new I/O modules are ideal for processes with a large number of analogue channels or temperature sensors: CPX-4AE-T for temperature measurement from -200 to 850 °C; CPX-4AE-I for sensor signals with a current output within the range of 4 ... 20 mA.

Less is more

The latest technology saves time, money and space.

- Lower channel costs with 4 channels per module.
- Less machine downtime through channel-oriented diagnosis and display of fault cause on channel LEDs, a handheld CPX-MMI or via fieldbus/Ethernet.
- Minimised valve-terminal width thanks to high number of channels per module.

- CPX-4AE-T: Lower system costs and less need for component stocks thanks to facility for direct connection of temperature sensors/resistance thermometers of types PT and N.
- No need for expensive sensors with integrated transducers.

Individuality as standard

Choice of connection systems as appropriate to application environment, the requirements placed on the electronics module and any relevant internal company standard.



Measuring temperature,

detecting signals,

saving space!

210.8.PSI →

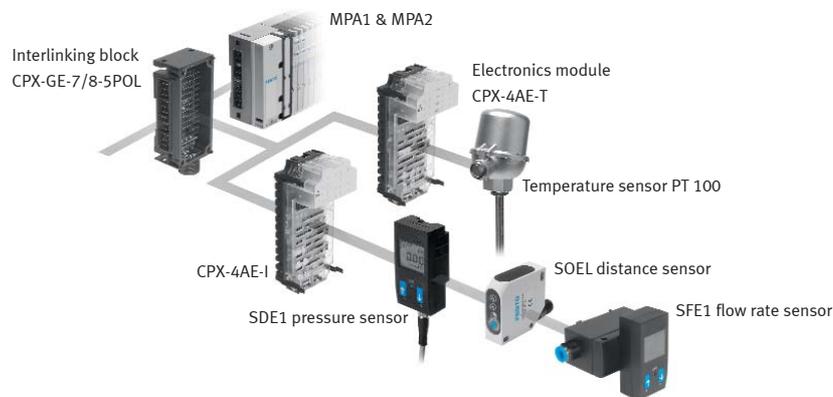
Product Short Information

CPX terminal

Analogue I/O modules CPX-4AE-T/CPX-4AE-I

Modularity in its highest form

For even greater cost-effectiveness, ensured by the variety of potential applications for the electronics modules as an easy way of measuring temperatures, flow rates, pressures and distances



Technical data

Type	CPX-4AE-I	CPX-4AE-T
	Analogue input modules	
	Signal detection	Temperature sensing
Number of inputs	4	4
Number of outputs	–	–
Characteristic curve	–	–
Switching logic/resolution	12 bit	16 bit
Switching level/signal range	0 ... 20 mA, 4 ... 20 mA	Constant power supply
Max. current consumption/channel	40 mA	Depends on sensor
Max. current consumption/module	0.7 A	0.7 A
Sensors	E.g. pressure and vacuum sensor SDE	–
Sensors	Sensors for measurement of: Pressure, flow rate, distances	Temperature sensors PT 100, PT 200, PT 500, PT 1000 Ni 100, Ni 120, Ni 500, Ni 1000
Temperature range Sensors	–	PT standard: -200 °C ... 850 °C PT climatic: -120 °C ... 130 °C NI standard: -60 °C ... 180 °C
Sensor connection system	2-, 3- or 4-core cable	2-, 3- or 4-core cable
Parameterisation	Data format, limit values, scaling	Data format, limit values, scaling, temperature sensor, behaviour of power supply under overload
Diagnostics	4x LEDs for channel faults and 1x LED for module fault	
Functions	Parameterisation and channel diagnostics, message describing fault channel via network and CPX-MMI in plain text	

CPX: Wide choice of connection systems

Broad range of electrical functions. There are many possible combinations of a connector block, and electronics module and a further connector block. Easy to make a selection – and just as easy to carry out servicing, thanks to the fact that electronics modules can be replaced easily without disturbing wiring.

Electronics modules			M12 5-pin	M12 5-pin (metal thread)	M12 8-pin	M8 3-pin	M8 4-pin	Harax	Cage Clamp	Sub-D
Digital	IN	OUT								
CPX-4DE	4									
CPX-8DE	8									
CPX-8DE-D	8									
CPX-16DE	16									
CPX-8NDE	8									
CPX-4DA		4								
CPX-8DA		8								
CPX-8DE/D8A	8	8								
Analogue	IN	OUT								
CPX-4AE-I	4									
CPX-4AE-T	4									
CPX-2AE-U-I	2									
CPX-2AA-U-I		2								

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