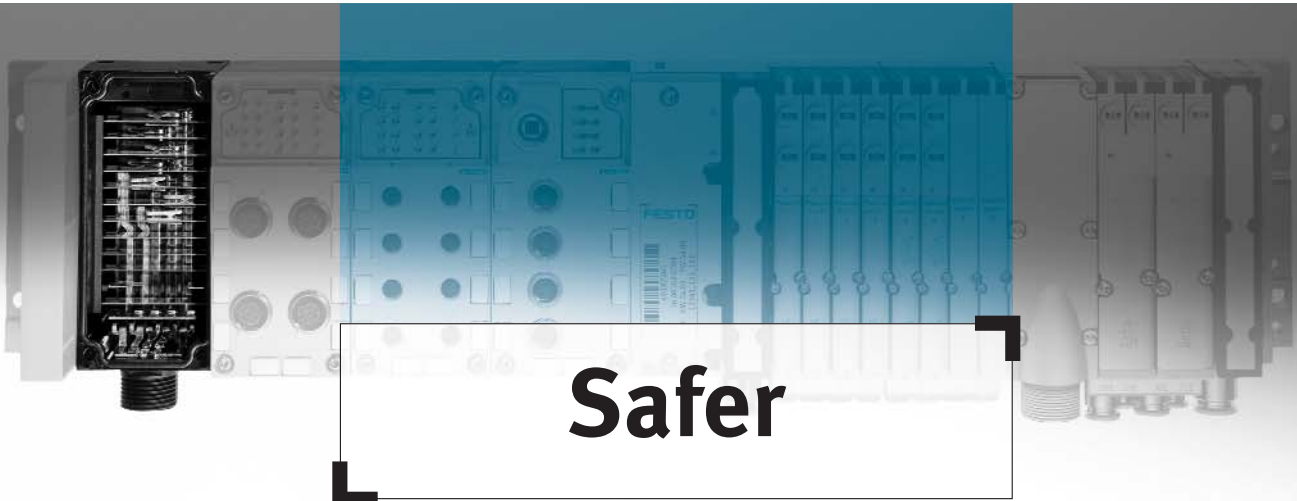


CPX terminal

Interlinking block CPX-GE-EV-7/8"-5POL/4POL

FESTO



Safer

Safe, flexible, installation-friendly power-supply connection system.

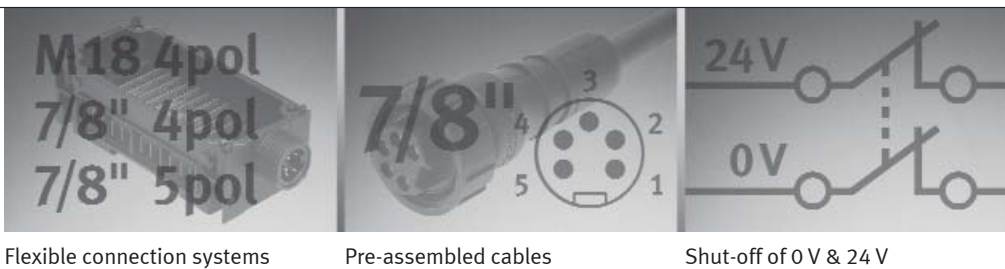
With the new electrically and mechanically robust interlinking blocks 7/8"-5POL and 7/8"-4POL, Festo is expanding the range of applications of its CPX terminal in terms not only of performance but also of safety: Electrical isolation of the outputs/valves means that in an emergency the 24 V and 0 V supply can be shut off, while additional power supplies can be used to create different voltage zones.

More flexible

M18 4-pin, 7/8" 5-pin and 7/8" 4-pin: There are now a total of three different connection systems available for system, additional and valve power supplies. Ideal for users with internal company standards, e.g. in the automobile industry, in which 7/8" 5-pin is the standard in Europe, while 7/8" 4-pin is used in America.

More cost-effective

Saves time: Fast system assembly thanks to simple joining of interlinking blocks and fast replacement (in most cases) of pre-assembled cables. The new interlinking blocks also reduce the costs of maintaining component stocks and of engineering by allowing use of standard installation materials.



Flexible connection systems

Pre-assembled cables

Shut-off of 0 V & 24 V

210.9.PSI →

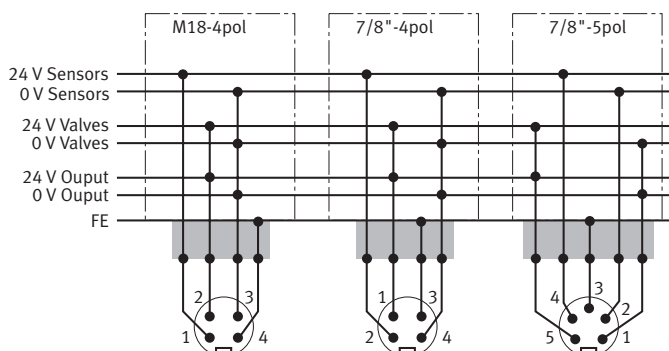
Product Short Information

CPX terminal

Interlinking block CPX-GE-EV-7/8"-5POL/4POL

Innovative power supply

Safe machine conditions through a power-supply concept with additional power infeeds and electrical isolation of outputs (failsafe function). These interlinking modules allow the use of 7/8" connector sockets. The 5-pin variant allows electrical isolation between the load and logic power supplies.



Pin allocation

M18 4-pin

- Pin 1: 24 V DC Outputs/sensors
- Pin 2: 24 V DC Outputs/valves
- Pin 3: 0 V (common)
- Pin 4: Operational earth

7/8" 4-pin

- Pin 1: 24 V DC Outputs/valves
- Pin 2: 24 V DC Outputs/sensors
- Pin 3: Operational earth
- Pin 4: 0 V (common)

7/8" 5-pin

- Pin 1: 0 V Outputs/valves
- Pin 2: 0 V Logic/sensors
- Pin 3: Operational earth (early contact)
- Pin 4: 24 V DC Logic/sensors
- Pin 5: 24 V DC Outputs/valves

Functions

	S (System supply)	Z (Additional supply)	V (Valve supply)
CPX-GE-EV-...-7/8"-5POL	<ul style="list-style-type: none"> • System power supply • Complete electrical isolation of logic/sensor power supply from output/valve power supply • Valve power supply can be shut off on all pins, no separate valve power supply required 	<ul style="list-style-type: none"> • Additional power supply for electrical outputs • This power supply interrupts the 24 V supply (24 V and 0 V lines) for the outputs from the system power supply. • Complete electrical isolation 	–
CPX-GE-EV-...-7/8"-4POL	<ul style="list-style-type: none"> • System power supply 	<ul style="list-style-type: none"> • Additional power supply for electrical outputs • This power supply interrupts the 24 V supply (24 V and 0 V lines) for the outputs from the system power supply • Complete electrical isolation 	<ul style="list-style-type: none"> • Additional power supply for valves • This power supply interrupts the 24 V supply (24 V and 0 V lines) for the outputs from the system power supply • Complete electrical isolation of valve power supply from all other potentials



Interlinking block
CPX-GE-EV-7/8"-5POL

Technical data

Type	CPX-GE-EV-...-7/8"-5POL	CPX-GE-EV-...-7/8"-4POL
Connection	7/8" 5-pin	7/8" 4-pin
Power supplies		
- Inputs and electronics	24 V DC, max. 12 A*	24 V DC, max. 12 A*
- Outputs	24 V DC, max. 12 A*	24 V DC, max. 12 A*
- Valves	–	24 V DC, max. 12 A*
- Functions	S, Z	S, Z, V

* Limited by the technical specification of the mating connector

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