

# Extension modules CTM, for electrical terminals

FESTO

Technical data

## Connection block CPX-AB-2-M12

- Adapter for Sub-D plug and socket
- 9-pin plug/socket to 5-pin 2xM12 connection
- B-coded (ReverseKey)



General technical data		
Type	CPX-AB-2-M12-RK-IB	CPX-AB-2-M12-RK-DP
Type of mounting	4x M3x25 screws	4x M3x25 screws
Fieldbus interface	2xM12x1, B-coded	M12x1, 5-pin, B-coded
Protocol	Interbus	Profibus
Mounting position	Any	Any
Operating voltage range [V]	24 DC	–
Protection against direct and indirect contact	PELV (Protective Extra-Low Voltage)	–
Protection class	IP65/IP67	IP65/IP67

Materials	
Housing	Reinforced PA
Contacts	Gold-plated bronze

Operating and environmental conditions		
Ambient temperature [°C]	–5 ... +50	
Storage temperature [°C]	–20 ... +70	
Relative air humidity [%]	95, non-condensing	

### Dimensions

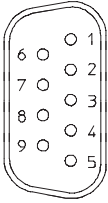
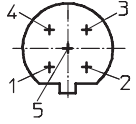
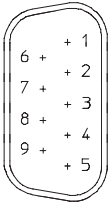
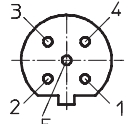
Download CAD data → [www.festo.com](http://www.festo.com)

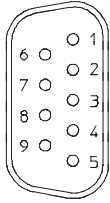
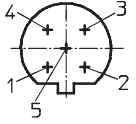

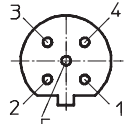
- 1 Sub-D socket, 9-pin  
(not present on CPX-AB-2-M12-RK-DP)
- 2 Sub-D plug, 9-pin
- 3 M12 socket, 5-pin
- 4 M12 plug, 5-pin

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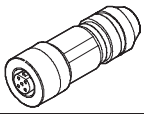
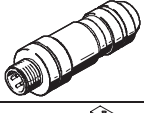
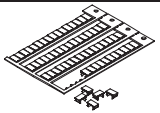
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Technical data

Pin allocation – Sub-D/M12			
CPX-AB-2-M12-RK-IB			
Sub-D connection	Pin	Pin	M12 connection
Sub-D socket	Sub-D	M12	M12 plug
	1	1	
	2	3	
	3	5	
	4	–	
	5	–	
	6	2	
	7	4	
	8	–	
	9	–	
	Housing	Housing	
Sub-D plug	Sub-D	M12	M12 socket
	1	1	
	2	3	
	3	5	
	4	–	
	5	–	
	6	2	
	7	4	
	8	–	
	9	–	
	Housing	Housing	

CPX-AB-2-M12-RK-DP			
Sub-D connection	Pin	Pin	M12 connections
Sub-D socket	Sub-D	M12	M12 plug
	1	–	
	2	–	
	3	4	
	4	–	
	5	–	
	6	–	
	7	–	
	8	2	
	9	–	
	Housing	Housing	
Sub-D plug	Sub-D	M12	M12 socket
	1	–	
	2	–	
	3	4	
	4	–	
	5	3	
	6	1	
	7	–	
	8	2	
	9	–	
	Housing	Housing	

Ordering data				
Electrical connection	Protocol	Weight [g]	Part No.	Type
Sub-D straight plug/socket, 9-pin; M12 plug/socket, 5-pin	Interbus	140	534505	CPX-AB-2-M12-RK-IB
Sub-D straight socket, 9-pin; M12 plug/socket, 5-pin	Profibus	85	541519	CPX-AB-2-M12-RK-DP

Ordering data – Accessories			
	Description	Part No.	Type
	Socket M12x1, 5-pin, straight, for self-assembly of a connecting cable	1067905	NECU-M-B12G5-C2-PB
	Plug M12x1, 5-pin, straight, for self-assembly of a connecting cable	1066354	NECU-M-S-B12G5-C2-PB
	Inscription labels 6x10 mm, 64 pieces, in frames	18576	IBS-6x10

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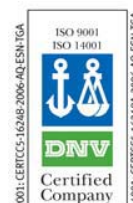
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