

## Data sheet

**Manifold block CPX-AB-2-M12**

- Adapter for Sub-D plug and socket
- Plug/socket, 9-pin, for 2xM12 connection, 5-pin
- 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	-
Degree of protection	IP65/IP67	IP65/IP67

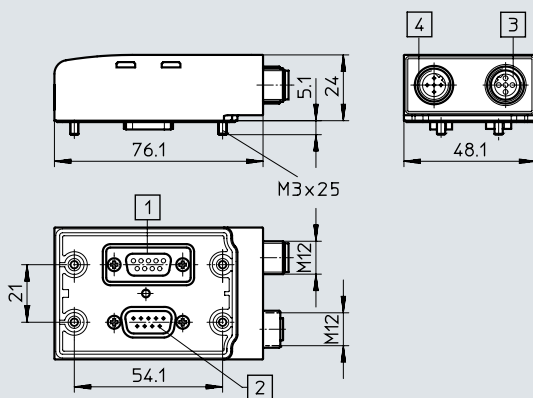
**Materials**

Housing	Reinforced PA
Contacts	Gold-plated bronze

**Operating and environmental conditions**

Ambient temperature [°C]	-5 ... +50
Storage temperature [°C]	-20 ... +70
Relative humidity [%]	95, non-condensing

**Dimensions**

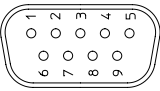
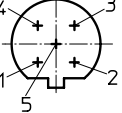
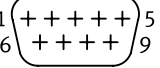
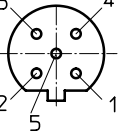
 Download CAD data → [www.festo.com](http://www.festo.com)


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

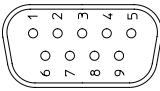
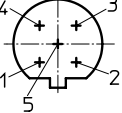
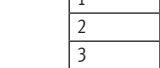
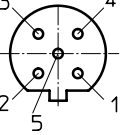
## Data sheet

### Pin allocation – Sub-D/M12

CPX-AB-2-M12-RK-IB

Sub-D connection	Pin	Pin	M12 connection
<b>Sub-D socket</b>	<b>Sub-D</b>	<b>M12</b>	<b>M12 plug</b>
	1	1	
	2	3	
	3	5	
	4	-	
	5	-	
	6	2	
	7	4	
	8	-	
	9	-	
	Housing	Housing	
<b>Sub-D plug</b>	<b>Sub-D</b>	<b>M12</b>	<b>M12 socket</b>
	1	1	
	2	3	
	3	5	
	4	-	
	5	-	
	6	2	
	7	4	
	8	-	
	9	-	
	Housing	Housing	

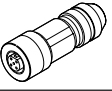
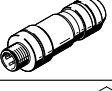
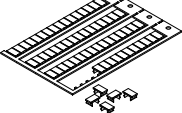
CPX-AB-2-M12-RK-DP

Sub-D connection	Pin	Pin	M12 connections
<b>Sub-D socket</b>	<b>Sub-D</b>	<b>M12</b>	<b>M12 plug</b>
	1	-	
	2	-	
	3	4	
	4	-	
	5	-	
	6	-	
	7	-	
	8	2	
	9	-	
	Housing	Housing	
<b>Sub-D plug</b>	<b>Sub-D</b>	<b>M12</b>	<b>M12 socket</b>
	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 straight socket, 5-pin,	PROFIBUS	85	541519	CPX-AB-2-M12-RK-DP

### Ordering data – Accessories

	Description	Part no.	Type
	M12x1 straight plug, 5-pin, for self-assembly of a connecting cable	1067905	NECU-M-B12G5-C2-PB
	5-pin M12x1 straight plug, for self-assembly of a connecting cable	1066354	NECU-M-S-B12G5-C2-PB
	Inscription labels 6x10 mm, 64 pieces, in frame	18576	IBS-6x10

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