

# Extension modules CTM, for electrical terminals

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)

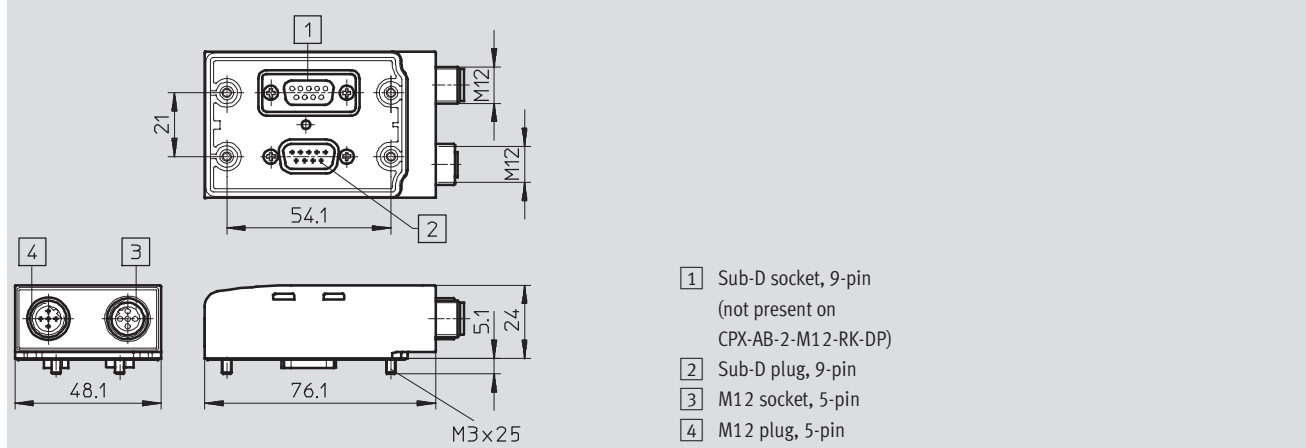


General technical data		
Type	CPX-AB-2-M12-RK-IB	CPX-AB-2-M12-RK-DP
Type of mounting	4x M3x25 screws	4x M3x25 screws
Fieldbus interface	2xM12x1, B-coded	M12x1, 5-pin, B-coded
Protocol	INTERBUS	PROFIBUS
Mounting position	Any	Any
Operating voltage range [V]	24 DC	-
Protection against direct and indirect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

Materials	
Housing	Reinforced PA
Contacts	Gold-plated bronze

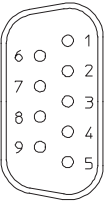
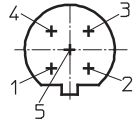
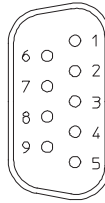
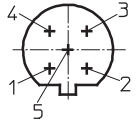
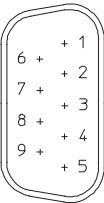
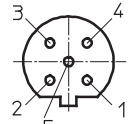

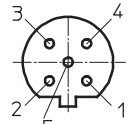
Operating and environmental conditions		
Ambient temperature [°C]		-5 ... +50
Storage temperature [°C]		-20 ... +70
Relative air humidity [%]		95, non-condensing

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

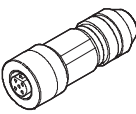
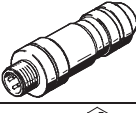
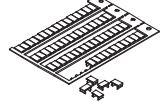


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Pin allocation – Sub-D/M12				CPX-AB-2-M12-RK-IB				CPX-AB-2-M12-RK-DP			
Sub-D connection		Pin	Pin	M12 connection	Sub-D connection		Pin	Pin	M12 connections		
Sub-D socket		Sub-D	M12	M12 plug	Sub-D socket		Sub-D	M12	M12 plug		
	1	1	4			1	-	4			
	2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