



**Electrical Connection Technology,  
for Multi-pin Plug Connection, KMP6**



# Electrical connection technology, for multi-pin plug connection

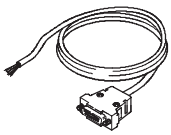
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Technical data – KMP6-...

- Plug socket with cable for multi-pin connection
- Pre-assembled
- Cable lengths 2.5 m, 5 m or 10 m
- 9-pin, 15-pin, 25-pin or 26-pin
- Sub-D
- Suitable for chain link trunking



General technical data					
Type	KMP6-9P-...	KMP6-15P-...	KMP6-25P-12-...	KMP6-25P-20-...	KMP6-26P-...
Mounting position	Any				
Operating voltage range [V]	24 DC				
Current-carrying capacity [A]	2.8				2.5
Cable diameter [mm]	7.6	8.5	8.5	10.3	8.6
Protection class to EN 60 529	IP40 (assembled)				
Material of housing	Polyester, fibreglass reinforced				
Material of contacts	Gold-plated copper base alloy				
Material of cable sheath	Polyvinyl chloride				
Ambient temperature [°C]	-30 ... +80				
Ambient temperature of flexible cable installation [°C]	-5 ... +80				

Ordering data						
	Electrical connection	Cable composition [mm <sup>2</sup> ]	Product weight [g]	Cable length [m]	Type	Part No.
	9-pin Sub-D socket	8x0.34 + 1x0.5	248	2.5	KMP6-09P-08-2,5	531 184
		8x0.34 + 1x0.5	454	5	KMP6-09P-08-5	531 185
		8x0.34 + 1x0.5	864	10	KMP6-09P-08-10	531 186
	15-pin Sub-D socket	15x0.34	293	2.5	KMP6-15P-12-2,5	527 543
		15x0.34	585	5	KMP6-15P-12-5	527 544
		15x0.34	1,134	10	KMP6-15P-12-10	527 545
	25-pin Sub-D socket	15x0.34	329	2.5	KMP6-25P-12-2,5	530 049
		15x0.34	590	5	KMP6-25P-12-5	530 050
		15x0.34	1140	10	KMP6-25P-12-10	530 051
	25-pin Sub-D socket	20x0.25 + 5x0.34	432	2.5	KMP6-25P-20-2,5	530 046
		20x0.25 + 5x0.34	814	5	KMP6-25P-20-5	530 047
		20x0.25 + 5x0.34	1600	10	KMP6-25P-20-10	530 048
	26-pin Sub-D socket	20x0.25	Approx. 280	2.5	KMP6-26P-16-2,5	527 546
		20x0.25	Approx. 570	5	KMP6-26P-16-5	527 547
		20x0.25	1145	10	KMP6-26P-16-10	527 548

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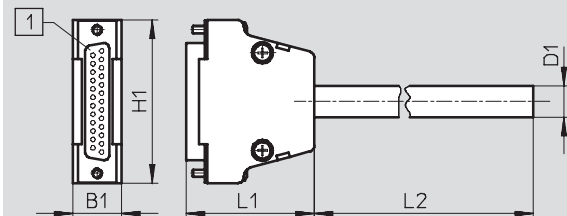
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Technical data – KMP6-...

## Dimensions

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

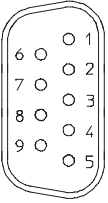
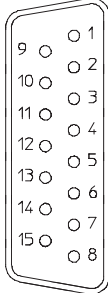
KMP6-...



Type	<span style="border: 1px solid black; padding: 0 2px;">1</span>	B1	D1	H1	L1	L2
KMP6-09P-...	9-pin Sub-D socket	16	7.6	31.2	34.5	Length according to type (2.5 m, 5 m or 10 m)
KMP6-15P-...	15-pin Sub-D socket	16	8.5	40	34.5	
KMP6-25P-12-...	25-pin Sub-D socket	16	8.5	53.4	37.7	
KMP6-25P-20-...	25-pin Sub-D socket	16	10.3	53.4	37.7	
KMP6-26P-...	26-pin Sub-D socket	16	8.6	40	34.5	

# Electrical connection technology, for multi-pin plug connection

Technical data – KMP6-...

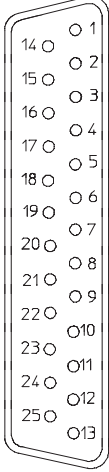
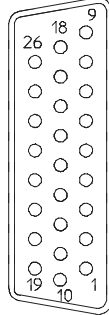
Wiring allocation (socket view)				
KMP6-9P-...				
	Pin	Core colour	Pin	Core colour
	1	White	6	Pink
	2	Brown	7	Blue
	3	Green	8	Red
	4	Yellow	9	Black <sup>1)</sup>
	5	Grey		
KMP6-15P-...				
	Pin	Core colour	Pin	Core colour
	1	White	9	Black
	2	Brown	10	Purple
	3	Green	11	Grey-pink
	4	Yellow	12	Red-blue
	5	Grey	13	White-green
	6	Pink	14	Brown-green
	7	Blue	15	White-yellow
	8	Red		

1) Wire cross section 0.5 mm<sup>2</sup>

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Technical data – KMP6-...

Wiring allocation (socket view)								
	KMP6-25P-12-...				KMP6-25P-20-...			
	Pin	Core colour	Pin	Core colour	Pin	Core colour	Pin	Core colour
	1	White	14	–	1	White	14	Brown-green
	2	Brown	15	–	2	Brown	15	White-yellow
	3	Green	16	–	3	Green	16	Yellow-brown
	4	Yellow	17	–	4	Yellow	17	White-grey
	5	Grey	18	–	5	Grey	18	Grey-brown
	6	Pink	19	–	6	Pink	19	White-pink
	7	Blue	20	–	7	Blue	20	Pink-brown
	8	Red	21	–	8	Red	21	White-blue <sup>1)</sup>
	9	Black	22	–	9	Black	22	Brown-blue <sup>1)</sup>
	10	Purple	23	White-green	10	Purple	23	White-red <sup>1)</sup>
	11	Grey-pink	24	Brown-green	11	Grey-pink	24	Brown-red <sup>1)</sup>
	12	Red-blue	25	White-yellow	12	Red-blue	25	White-black <sup>1)</sup>
	13	–			13	White-green		
KMP6-26P-...								
	Pin	Core colour	Pin	Core colour				
	Pin	Core colour	Pin	Core colour				
	1	White	14	Brown-green				
	2	Brown	15	White-yellow				
	3	Green	16	Yellow-brown				
	4	Yellow	17	–				
	5	Grey	18	–				
	6	Pink	19	–				
	7	Blue	20	–				
	8	Red	21	–				
	9	Black	22	–				
	10	Purple	23	White-grey				
	11	Grey-pink	24	Grey-brown				
	12	Red-blue	25	White-pink				
	13	White-green	26	Pink-brown				

1) Wire cross section 0,34 mm<sup>2</sup>

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