

Connecting cable, Sub-D

Technical data

Connecting cable KMP6

- Connecting cable for multi-pin plug connection
- Pre-assembled
- Cable lengths 2.5 m, 5 m or 10 m
- 9-pin, 15-pin, 25-pin or 26-pin
- Sub-D



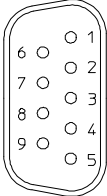
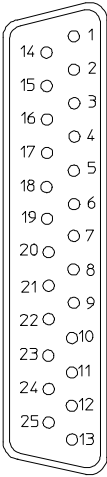
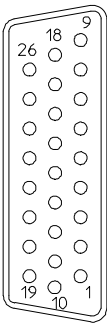
| General technical data | | | | | |
|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Type | KMP6-9P-8-... | KMP6-15P-12-... | KMP6-25P-12-... | KMP6-25P-20-... | KMP6-26P-16-... |
| Electrical connection | Straight socket Sub-D 9-pin | Straight socket Sub-D 15-pin | Straight socket Sub-D 25-pin | Straight socket Sub-D 25-pin | Straight socket Sub-D 26-pin |
| | Open cable end 9-wire | Open cable end 15-wire | Open cable end 15-wire | Open cable end 25-wire | Open cable end 20-wire |
| Type of mounting | Via through-hole | | | | |
| Mounting position | Any | | | | |
| Operating voltage range | [V DC] | 0 ... 24 | | | |
| Acceptable current load | [A] | 2.8 | 2.8 | 2.8 | 2.5 |
| Cable composition | [mm ²] | 8x0.34 | 15x0.34 | 15x0.34 | 20x0.25 |
| | [mm ²] | 1x0.5 | – | – | 5x0.34 |
| Cable diameter | [mm] | 7.6 | 8.5 | 8.5 | 10.3 |
| Degree of protection to EN 60529 | IP40 (assembled) | | | | |

| Materials | |
|--------------|--------------------------|
| Housing | PBT reinforced |
| Pin contacts | Gold-plated copper alloy |
| Cable sheath | PVC |

| Operating and environmental conditions | |
|--|------------------|
| Ambient temperature | [°C] –30 ... +80 |
| Ambient temperature with flexible cable installation | [°C] –5 ... +80 |

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| Circuitry (socket view) | | | | |
|---|-----|---------------------------|-----|---------------------------|
| KMP6-9P-8-... | | KMP6-15P-12-... | | |
|  | Pin | Wire colour ¹⁾ | Pin | Wire colour ¹⁾ |
| | 1 | WH | 1 | WH |
| | 2 | BN | 2 | BN |
| | 3 | GN | 3 | GN |
| | 4 | YE | 4 | YE |
| | 5 | GY | 5 | GY |
| | 6 | PK | 6 | PK |
| | 7 | BU | 7 | BU |
| | 8 | RD | 8 | RD |
| | 9 | BK ²⁾ | 9 | BK |
| | | | 10 | VT |
| | | | 11 | GY PK |
| | | | 12 | RD BU |
| | | | 13 | WH GN |
| | | | 14 | BN GN |
| | | | 15 | WH YE |
| KMP6-25P-12-... | | KMP6-25P-20-... | | |
|  | Pin | Wire colour ¹⁾ | Pin | Wire colour ¹⁾ |
| | 1 | WH | 18 | - |
| | 2 | BN | 19 | - |
| | 3 | GN | 20 | - |
| | 4 | YE | 21 | - |
| | 5 | GY | 22 | - |
| | 6 | PK | 23 | WH GN |
| | 7 | BU | 24 | BN GN |
| | 8 | RD | 25 | WH YE |
| | 9 | BK | | |
| | 10 | VT | | |
| | 11 | GY PK | | |
| | 12 | RD BU | | |
| | 13 | - | | |
| | 14 | - | | |
| | 15 | - | | |
| | 16 | - | | |
| | 17 | - | | |
| | | | 18 | GY BN |
| | | | 19 | WH PK |
| | | | 20 | PK BN |
| | | | 21 | WH BU ³⁾ |
| | | | 22 | BN BU ³⁾ |
| | | | 23 | WH RD ³⁾ |
| | | | 24 | BN RD ³⁾ |
| | | | 25 | WH BK ³⁾ |
| | | | 9 | BK |
| | | | 10 | VT |
| | | | 11 | GY PK |
| | | | 12 | RD BU |
| | | | 13 | WH GN |
| | | | 14 | BN GN |
| | | | 15 | WH YE |
| | | | 16 | YE BN |
| | | | 17 | WH GY |
| KMP6-26P-16-... | | | | |
|  | Pin | Wire colour ¹⁾ | Pin | Wire colour ¹⁾ |
| | 1 | WH | 14 | BN GN |
| | 2 | BN | 15 | WH YE |
| | 3 | GN | 16 | YE BN |
| | 4 | YE | 17 | - |
| | 5 | GY | 18 | - |
| | 6 | PK | 19 | - |
| | 7 | BU | 20 | - |
| | 8 | RD | 21 | - |
| | 9 | BK | 22 | - |
| | 10 | VT | 23 | WH GY |
| | 11 | GY PK | 24 | GY BN |
| | 12 | RD BU | 25 | WH PK |
| | 13 | WH GN | 26 | PK BN |

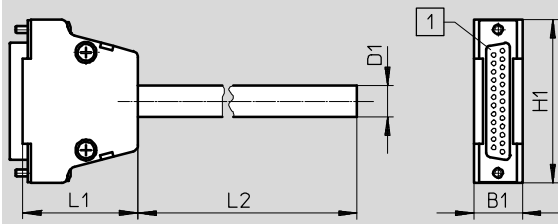
1) To IEC 757
 2) Wire cross section 0.5 mm²
 3) Wire cross section 0.34 mm²

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Dimensions

Download CAD data → www.festo.com



| Type | 1 | B1 | D1 | H1 | L1 | L2 |
|-----------------|----------------------|----|------|------|------|---|
| KMP6-09P-8-... | Sub-D socket, 9-pin | 16 | 7.6 | 31.2 | 34.5 | Length according to type (2.5 m, 5 m or 10 m) |
| KMP6-15P-12-... | Sub-D socket, 15-pin | 16 | 8.5 | 40 | 34.5 | |
| KMP6-25P-12-... | Sub-D socket, 25-pin | 16 | 8.5 | 53.4 | 37.7 | |
| KMP6-25P-20-... | Sub-D socket, 25-pin | 16 | 10.3 | 53.4 | 37.7 | |
| KMP6-26P-16-... | Sub-D socket, 26-pin | 16 | 8.6 | 40 | 34.5 | |

Ordering data

| Electrical connection | Cable composition [mm ²] | Product weight [g] | Cable length [m] | Part No. | Type |
|-----------------------|--------------------------------------|--------------------|------------------|---------------|------------------------|
| Sub-D socket, 9-pin | 8x0.34 + 1x0.5 | 248 | 2.5 | 531184 | KMP6-09P-8-2,5 |
| | 8x0.34 + 1x0.5 | 454 | 5 | 531185 | KMP6-09P-8-5 |
| | 8x0.34 + 1x0.5 | 864 | 10 | 531186 | KMP6-09P-8-10 |
| Sub-D socket, 15-pin | 15x0.34 | 293 | 2.5 | 527543 | KMP6-15P-12-2,5 |
| | 15x0.34 | 585 | 5 | 527544 | KMP6-15P-12-5 |
| | 15x0.34 | 1134 | 10 | 527545 | KMP6-15P-12-10 |
| Sub-D socket, 25-pin | 15x0.34 | 329 | 2.5 | 530049 | KMP6-25P-12-2,5 |
| | 15x0.34 | 590 | 5 | 530050 | KMP6-25P-12-5 |
| | 15x0.34 | 1140 | 10 | 530051 | KMP6-25P-12-10 |
| Sub-D socket, 25-pin | 20x0.25 + 5x0.34 | 432 | 2.5 | 530046 | KMP6-25P-20-2,5 |
| | 20x0.25 + 5x0.34 | 814 | 5 | 530047 | KMP6-25P-20-5 |
| | 20x0.25 + 5x0.34 | 1600 | 10 | 530048 | KMP6-25P-20-10 |
| Sub-D socket, 26-pin | 20x0.25 | 280 | 2.5 | 527546 | KMP6-26P-16-2,5 |
| | 20x0.25 | 570 | 5 | 527547 | KMP6-26P-16-5 |
| | 20x0.25 | 1145 | 10 | 527548 | KMP6-26P-16-10 |