

# 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<br>[mm <sup>2</sup> ] | Product weight<br>[g] | Cable length<br>[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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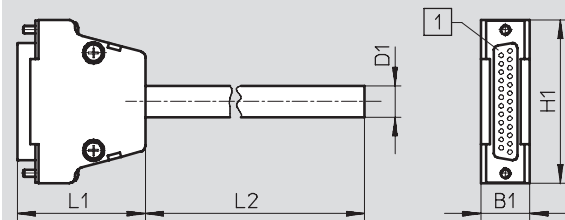
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## Dimensions

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

KMP6-...

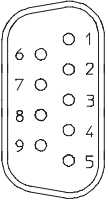
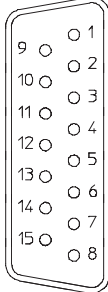


| Type            | 1                   | B1 | D1   | H1   | L1   | L2                                            |
|-----------------|---------------------|----|------|------|------|-----------------------------------------------|
| KMP6-09P-...    | 9-pin Sub-D socket  | 16 | 7.6  | 31.2 | 34.5 | Length 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 |                                               |

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Technical data – KMP6-...

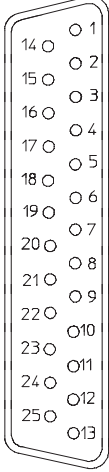
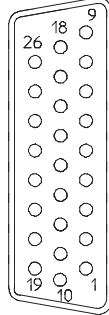
| Wiring allocation (socket view)                                                    |     |             |     |                     |
|------------------------------------------------------------------------------------|-----|-------------|-----|---------------------|
| KMP6-9P-...                                                                        |     |             |     |                     |
|   | 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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| 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>