

# Electrical connection technology, for diagnostic interface

Technical data – KV-M12-...

- Plug socket with cable for diagnostic interface (to terminal CPX)
- Pre-assembled at both ends
- Cable lengths: 1.5 m and 3.5 m
- 5-pin/4-wire
- Round plug



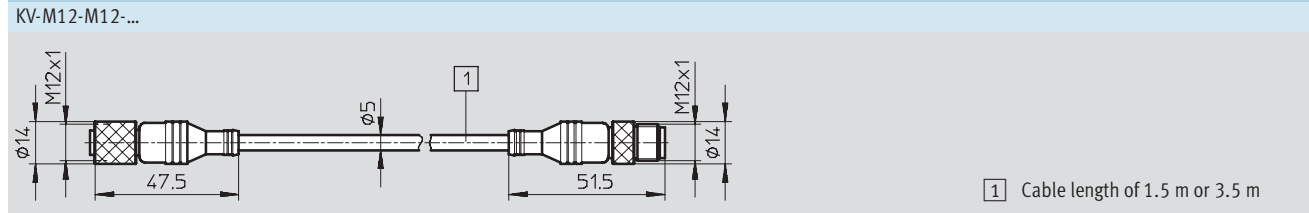
General technical data		KV-M12-M12-...
Type		KV-M12-M12-...
Type of mounting		M12 union nut
Mounting position		Any
Operating voltage range	[V]	30 AC
	[V]	36 DC
Current-carrying capacity	[A]	4
Cable diameter	[mm]	5
Protection class to EN 60 529		IP67 (assembled)
Material of housing		Polyurethane
Material of contacts	Socket	Gold-plated brass
	Plug	Gold-plated bronze
Material of union nut		Nickel-plated/chrome-plated brass
Material of cable sheath		Polyurethane
Ambient temperature	[°C]	-25 ... +70
Ambient temperature of flexible cable installation	[°C]	-5 ... +70

Ordering data						
	Electrical connection	Constructional design [mm <sup>2</sup> ]	Product weight [g]	Cable length [m]	Type	Part No.
	Straight plug – straight socket, 5-pin	4x0.34	97	1.5	<b>KV-M12-M12-1,5</b>	<b>529 044</b>
	Straight plug – straight socket, 5-pin	4x0.34	182	3.5	<b>KV-M12-M12-3,5</b>	<b>530 901</b>

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



## Wiring allocation (socket/plug view)

KV-M12-M12-...

View – socket	Wiring allocation	View – plug																									
	<table border="0"> <tr> <td>1 (+24V)</td> <td>↪</td> <td>Brown</td> <td>↪</td> <td>1 (+24V)</td> </tr> <tr> <td>3 (0V)</td> <td>↪</td> <td>Blue</td> <td>↪</td> <td>3 (0V)</td> </tr> <tr> <td>2 (RxD, MMI)</td> <td>↪</td> <td>White</td> <td>↪</td> <td>2 (TxD, CPX)</td> </tr> <tr> <td>4 (TxD, MMI)</td> <td>↪</td> <td>Black</td> <td>↪</td> <td>4 (RxD, CPX)</td> </tr> <tr> <td>5 (FE)</td> <td>↪</td> <td>Screen</td> <td>↪</td> <td>5 (FE)</td> </tr> </table>	1 (+24V)	↪	Brown	↪	1 (+24V)	3 (0V)	↪	Blue	↪	3 (0V)	2 (RxD, MMI)	↪	White	↪	2 (TxD, CPX)	4 (TxD, MMI)	↪	Black	↪	4 (RxD, CPX)	5 (FE)	↪	Screen	↪	5 (FE)	
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