

Electrical connection technology, for inputs/outputs

Technical data – KM12-DUO

- Plug socket with cable for connecting 2 sensors to an input socket with double allocation
- Pre-assembled at both ends
- Cable length 0.6 m
- Plug, 4-pin, socket, 3-pin



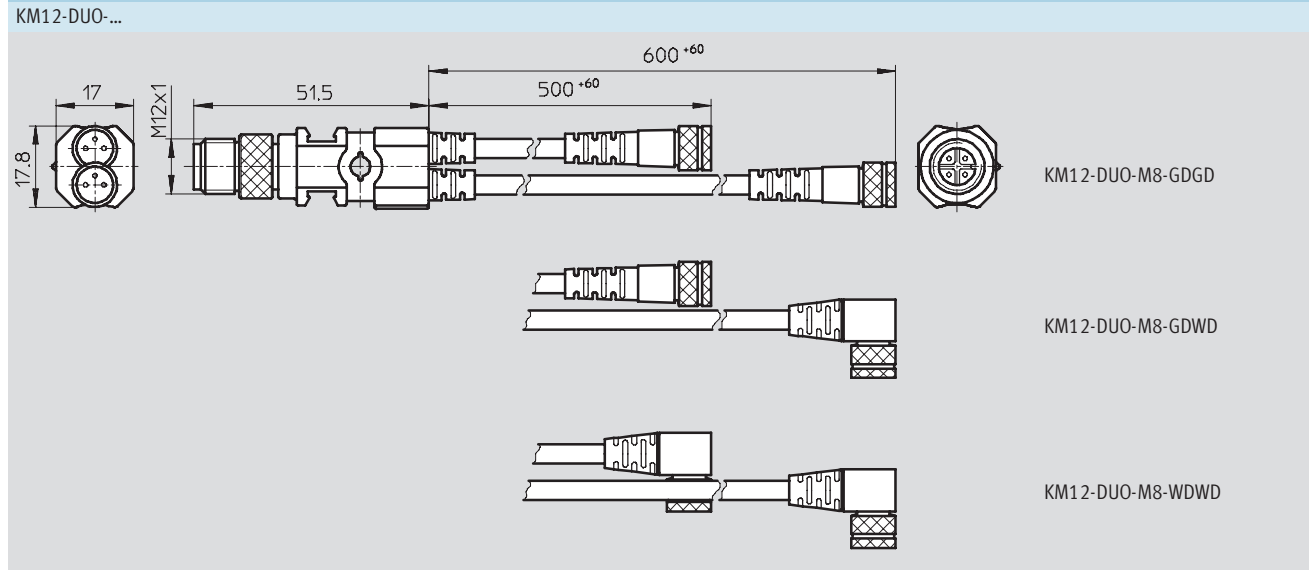
General technical data	
Type	KM12-DUO-...
Type of mounting	Union nut/threaded connector, threaded connector with mounting option via cable binder or screw M4
Mounting position	Any
Operating voltage range	[V AC] 60 AC
	[V DC] 75 DC
Current-carrying capacity	[A] 2.8
Protection class to EN 60 529	IP67 (assembled)
Material of housing	Polyurethane
Material of contacts	Gold-plated brass
Material of union nut	Nickel-plated brass
Material of cable sheath	Polyurethane
Material note	RoHS compliant
Ambient temperature	[°C] -30 ... +70
Ambient temperature of flexible cable installation	[°C] -5 ... +70

Ordering data							
	Electrical connection	Construc-tional design [mm ²]	Cable diameter [mm]	Product weight [g]	Cable length [m]	Type	Part No.
	Straight plug, 4-pin, M12 2x straight socket, 3-pin, M8	2x3x0.25	4.5	59	0.6	KM12-DUO-M8-GDGD	18 685
	Straight plug, 4-pin, M12 Straight socket, 3-pin, M8 Angled socket, 3-pin, M8	2x3x0.25	4.5	61	0.6	KM12-DUO-M8-GDWD	18 688
	Straight plug, 4-pin, M12 2x angled socket, 3-pin, M8	2x3x0.25	4.5	60	0.6	KM12-DUO-M8-WDWD	18 687

Electrical connection technology, for inputs/outputs

Technical data – KM12-DUO

Dimensions Download CAD data → www.festo.com



Wiring allocation (plug/socket view)

KM12-DUO-...

Plug	Wiring allocation	Socket
	<p>+ (24 V) 1 Brown</p> <p>- (24 V) 3 Blue</p> <p>x (Signal x) 4 Black</p> <p>x+1 (Signal x+1) 2 Black</p>	
	<p>Brown 1 + (24 V)</p> <p>Blue 3 - (0 V)</p> <p>Black 4 x (Signal x)</p>	
	<p>Brown 1 + (24 V)</p> <p>Blue 3 - (0 V)</p> <p>Black 4 x+1 (Signal x+1)</p>	