

# Electrical connection technology, for inputs/outputs

**FESTO**

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



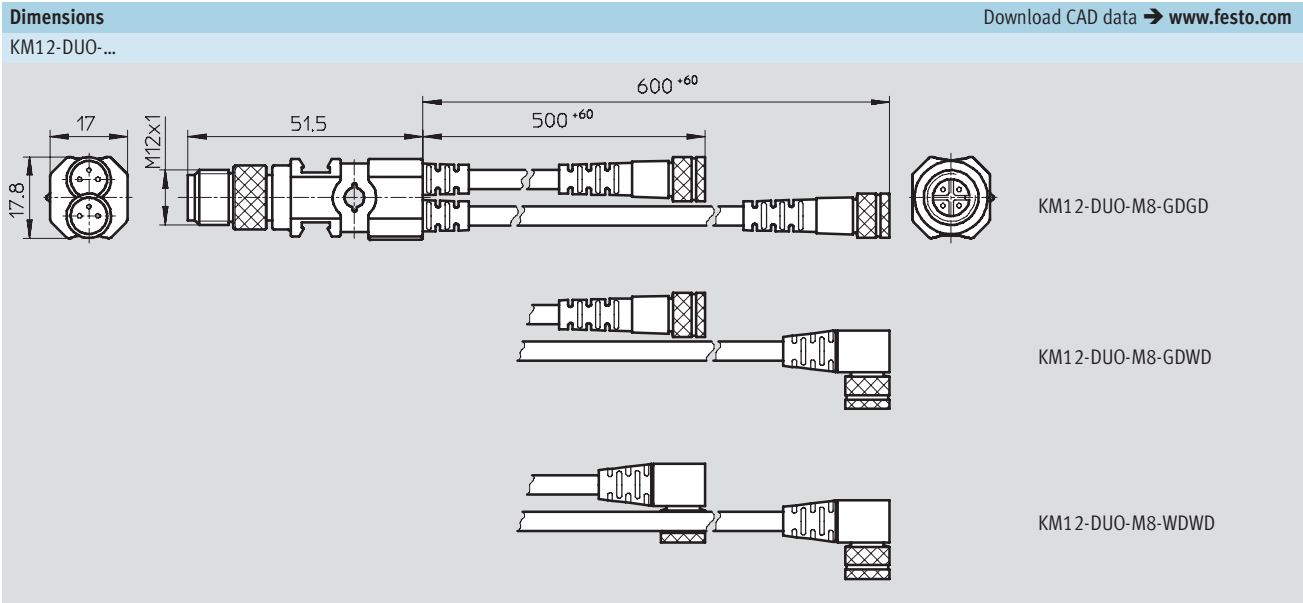
General technical data		
Type	KM12-DUO-...	
Type of mounting	Union nut/threaded connector, threaded connector with mounting option via cable binder or screw M4	
Mounting position	Any	
Operating voltage range	[V]	60 AC
	[V]	75 DC
Current-carrying capacity	[A]	2.8
Protection class to EN 60 529	IP67 (assembled)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

Ordering data							
	Electrical connection	Constructional design [mm <sup>2</sup> ]	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

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Wiring allocation (plug/socket view)		
KM12-DUO-...		
Plug	Wiring allocation	Socket
	<div> <div> <div>+ (24 V) 1</div> <div>- (24 V) 3</div> <div>x (Signal x) 4</div> <div>x+1 (Signal x+1) 2</div> </div> <div> <div>Brown</div> <div>Blue</div> <div>Black</div> <div>Black</div> </div> </div>	<div> <div>Brown</div> <div>Blue</div> <div>Black</div> <div>Brown</div> <div>Blue</div> <div>Black</div> </div> <div> <div>1 + (24 V)</div> <div>3 - (0 V)</div> <div>4 x (Signal x)</div> <div>1 + (24 V)</div> <div>3 - (0 V)</div> <div>4 x+1 (Signal x+1)</div> </div>