

Connecting cable KV-M12

FESTO

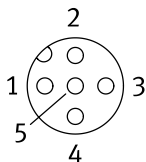


Datasheet

General technical data

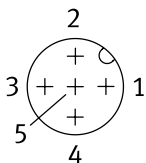
Frequency of connection	500
Cable designation	With accessories
Additional functions	Pin 5 of plug leading

Technical data – Electrical connection 1



Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, function	Field device side
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Round
Electrical connection 1, number of connections/cores	5
Electrical connection 1, used connections/cores	5
Electrical connection 1, type of mounting	Screw-type lock

Technical data – Electrical connection 2



Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Plugs
Electrical connection 2, cable outlet	Straight
Electrical connection 2, design	Round
Electrical connection 2, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 2, number of connections/cores	5
Electrical connection 2, used connections/cores	5
Electrical connection 2, type of mounting	Screw-type lock

Datasheet

Technical data – Electrical components

Operational voltage range DC	0 ... 30 V
Operational voltage range AC	0 ... 30 V
Immunity to surge	1.5 kV
Current rating at 40° C	4 A
Pollution degree	3
Shielding	yes

Technical data – Cable

Cable diameter	5 mm
Cable characteristic	Standard
Test conditions cable	Test conditions on request
Cable structure	4 x 0.34 mm ²
Nominal cross section conductor	0.34 mm ²

Materials

Material housing	TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated brass
Material seals	FPM
Material electrical contact	Gold-plated bronze; Gold-plated brass
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Material insulating sheath	PVC
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operating and environmental conditions

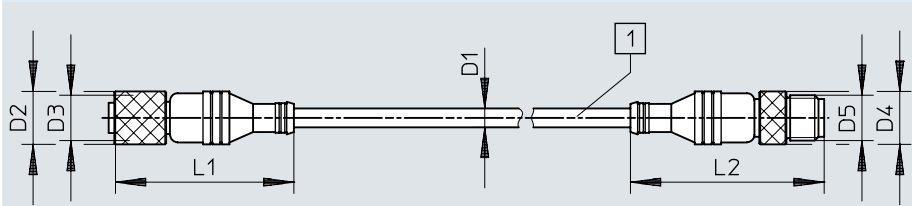
Ambient temperature	-25 ... 70°C
Ambient temperature with moving cable	-5 ... 70°C
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress
CE mark (see declaration of conformity) ²⁾	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Degree of protection	IP65; IP67
Note on degree of protection	In assembled state

1) More information: www.festo.com/x/topic/kbk

2) More information www.festo.com/catalogue/... Support/Downloads.

Dimensions

Dimensions – Connecting cables M12x1, 5-pin Download CAD data www.festo.com



[1] Cable, length 1.5 m or 3.5 m depending on the order

	D1 ø	D2 ø	D3	D4 ø	D5	L1	L2
KV-M12-M12	5	14	M12x1	14	M12x1	47,5	51,5

Ordering data

Ordering data							
Electrical connection 1, connection type	Electrical connection 1, connector system	Electrical connection 2, connection type	Electrical connection 2, connector system	Cable length	Product weight	Part no.	Type
Socket	M12x1, A-coded to EN 61076-2-101	Plugs	M12x1, A-coded to EN 61076-2-101	1.5 m		529044	KV-M12-M12-1,5
				3.5 m		530901	KV-M12-M12-3,5