

Connecting cable KMP

FESTO



Characteristics

Number of pins/wires on the left	
[9P] 9-pin	[15P] 15-pin
[25P] 25-pin	[26P] 26-pin

Type code

001	Series	
KMP3	Connecting cable, Sub-D socket	
KMP4	Connecting cable, Sub-D socket	
KMP6	Connecting cable, Sub-D socket	
KMPV	Connecting cable, Sub-D socket	

002	Connection technology left, field device side	
	Standard	
SUB	Sub-D	

003	Connection technology on the left, connection type	
	Standard	
D	Socket	

004	Number of pins/wires on the left	
9P	9-pin	
15	15-pin	
15P	15-pin	
25P	25-pin	
26P	26-pin	

005	Number of pins/wires on the right	
	Standard	
8	9-pin	
08	10-pin	
12	15-pin	
16	18-pin or 20-pin	
20	25-pin	

006	Cable length	
	1 ... 99 m	
2,5	2.5 m	
5,0	5 m	
10,0	10 m	

007	Material of cable sheath	
	Cable sheath made of PUR or PVC	
PUR	Cable sheath made of PUR	
PVC	PVC	

Datasheet

General technical data, KMP6

Electrical connection 1, number of connections/cores	9	15	25	26
Conforms to standard	DIN 41652			
Cable designation	Without inscription label holder			
Frequency of connection	50			

Technical data – Electrical connection 1, KMP6

Electrical connection 1, number of connections/cores	9	15	25	26
Electrical connection 1, function	Field device side			
Electrical connection 1, connection type	Socket			
Electrical connection 1, cable outlet	Straight			
Electrical connection 1, design	Angular			
Electrical connection 1, connector system	Sub-D			
Electrical connection 1, used connections/cores	9	15	15, 25	20
Electrical connection 1, type of mounting	2x screw 4-40 UNC			

Technical data – Electrical connection 2, KMP6

Electrical connection 1, number of connections/cores	9	15	25	26
Electrical connection 2, function	Controller side			
Electrical connection 2, connection type	Cable			
Electrical connection 2, connector system	Open end			
Electrical connection 2, number of connections/cores	9	15	15, 25	20
Electrical connection 2, used connections/cores	9	15	15, 25	20
Wire ends	Cut off bluntly			

Technical data – Electrical, KMP6

Electrical connection 1, number of connections/cores	9	15	25	26
Nominal operating voltage DC	24 V			
Operational voltage range DC	0 ... 30 V			
Current rating at 40° C	2.8 A			
Immunity to surge	1 kV			
Pollution degree	2			

Technical data – Cable, KMP6

Electrical connection 1, number of connections/cores	9	15	25	26
Cable diameter	7.6 mm	8.6 mm	8.6 ... 10.3 mm	8.8 mm
Cable diameter tolerance	± 0.25 mm			
Cable characteristic	Standard			
Test conditions cable	Test conditions on request			
Bending radius, fixed cable	≥76 mm	≥86 mm		≥88 mm
Bending radius, moving cable	≥114 mm	≥129 mm	≥103 mm	≥132 mm
Cable structure	8 x 0.34 mm ² + 1 x 0.5 mm ²	15 x 0.34 mm ²	15 x 0.34 mm ² , 20 x 0.25 mm ² + 5 x 0.34 mm ²	20 x 0.25 mm ²
Nominal cross section conductor	0.34 mm ² 0.5 mm ²	0.34 mm ²	0.25 mm ² 0.34 mm ²	0.25 mm ²

Datasheet

Materials, KMP6

Electrical connection 1, number of connections/cores	9	15	25	26
Material housing	PBT-reinforced			
Housing colour	grey			
Material screw-type lock	Nickel-plated brass			
Material electrical contact	Gold-plated copper alloy			
Cable sheath colour	Grey			
Material cable sheath	PVC			
Note on materials	RoHS-compliant			
LABS (PWIS) conformity	VDMA24364-B2-L			

Operating and environmental conditions, KMP6

Electrical connection 1, number of connections/cores	9	15	25	26
Ambient temperature	-25 ... 70°C			
Ambient temperature with moving cable	-5 ... 70°C			
Storage temperature	-25 ... 75°C	-20 ... 75°C	-25 ... 75°C	
CE mark (see declaration of conformity) ¹⁾	In accordance with EU RoHS Directive			
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions			
Degree of protection	IP40			
Note on degree of protection	In assembled state			

1) More information www.festo.com/catalogue/... → Support/Downloads.

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

General technical data, KMP3

Electrical connection 1, number of connections/cores	9	25
Cable designation	With accessories	
Frequency of connection	50	

Technical data – Electrical connection 1, KMP3

Electrical connection 1, number of connections/cores	9	25
Electrical connection 1, function	Field device side	
Electrical connection 1, connection type	Socket	
Electrical connection 1, cable outlet	Angled	
Electrical connection 1, design	Angular	
Electrical connection 1, connector system	Sub-D	
Electrical connection 1, used connections/cores	9	18
Electrical connection 1, type of mounting	2x screw M3	

Datasheet

Technical data – Electrical connection 2, KMP3

Electrical connection 1, number of connections/cores	9	25
Electrical connection 2, function	Controller side	
Electrical connection 2, connection type	Cable	
Electrical connection 2, connector system	Open end	
Electrical connection 2, number of connections/cores	10	18
Electrical connection 2, used connections/cores	9	18
Wire ends	Cut off bluntly	

Technical data – Electrical, KMP3

Electrical connection 1, number of connections/cores	9	25
Nominal operating voltage DC	24 V	
Operational voltage range DC	0 ... 30 V	
Current rating at 40° C	3 A	
Immunity to surge	1 kV	
Pollution degree	3	

Technical data – Cable, KMP3

Electrical connection 1, number of connections/cores	9	25
Cable diameter	7.15 mm	8.5 mm
Cable diameter tolerance	± 0.3 mm	± 0.5 mm
Cable characteristic	Standard	
Test conditions cable	Test conditions on request	
Bending radius, fixed cable	≥30 mm	≥45 mm
Bending radius, moving cable	≥75 mm	≥90 mm
Cable structure	10 x 0.34 mm ²	18 x 0.34 mm ²
Nominal cross section conductor	0.34 mm ²	

Materials, KMP3

Electrical connection 1, number of connections/cores	9	25
Material housing	PA	
Material electrical contact	Gold-plated copper alloy	
Cable sheath colour	Grey	
Material cable sheath	PVC	
Note on materials	RoHS-compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

Datasheet

Operating and environmental conditions, KMP3

Electrical connection 1, number of connections/cores	9	25
Ambient temperature	-25 ... 70°C	
Ambient temperature with moving cable	-5 ... 70°C	
Storage temperature	-25 ... 75°C	
CE mark (see declaration of conformity) ¹⁾	In accordance with EU RoHS Directive	
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions	
Degree of protection	IP65	
Note on degree of protection	In assembled state	

1) More information www.festo.com/catalogue/... → Support/Downloads.

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

General technical data, KMP4

Electrical connection 1, number of connections/cores	9	25
Cable designation	With accessories	
Frequency of connection	50	

Technical data – Electrical connection 1, KMP4

Electrical connection 1, number of connections/cores	9	25
Electrical connection 1, type of mounting	2x screw M3	
Electrical connection 1, function	Field device side	
Electrical connection 1, connection type	Socket	
Electrical connection 1, cable outlet	Angled	
Electrical connection 1, design	Angular	
Electrical connection 1, connector system	Sub-D	
Electrical connection 1, used connections/cores	9	25

Technical data – Electrical connection 2, KMP4

Electrical connection 1, number of connections/cores	9	25
Electrical connection 2, function	Controller side	
Electrical connection 2, connection type	Cable	
Electrical connection 2, connector system	Open end	
Electrical connection 2, number of connections/cores	10	25
Electrical connection 2, used connections/cores	9	25
Wire ends	Cut off bluntly	

Datasheet

Technical data – Electrical, KMP4

Electrical connection 1, number of connections/cores	9	25
Nominal operating voltage DC	24 V	
Operational voltage range DC	0 ... 30 V	
Current rating at 40° C	3 A	
Immunity to surge	1 kV	
Pollution degree	3	

Technical data – Cable, KMP4

Material cable sheath	PVC	TPE-U(PUR)
Electrical connection 1, number of connections/cores	9	25
Cable diameter	7.4 mm	10.4 mm
Cable diameter tolerance	± 0.4 mm	± 0.5 mm
Cable characteristic	Suitable for energy chains	
Test conditions cable	Test conditions on request	
Bending radius, fixed cable	≥24 mm	≥33 mm
Bending radius, moving cable	≥39 mm	≥55 mm
Cable structure	10 x 0.25 mm ²	25 x 0.25 mm ²
Nominal cross section conductor	0.25 mm ²	

Materials, KMP4

Material cable sheath	PVC	TPE-U(PUR)
Electrical connection 1, number of connections/cores	9	25
Material housing	PA	
Housing colour	Black	
Material electrical contact	Gold-plated copper alloy	
Cable sheath colour	Grey	
Note on materials	RoHS-compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

Operating and environmental conditions, KMP4

Material cable sheath	PVC	TPE-U(PUR)
Electrical connection 1, number of connections/cores	9	25
Ambient temperature	-40 ... 70°C	
Ambient temperature with moving cable	-5 ... 70°C	-40 ... 70°C
Storage temperature	-25 ... 75°C	
CE mark (see declaration of conformity) ¹⁾	In accordance with EU RoHS Directive	
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions	
Degree of protection	IP65	
Note on degree of protection	In assembled state	

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

General technical data, KMPV-SUB

Cable length	5 m	10 m
Cable designation	With accessories	
Frequency of connection	50	

Datasheet

Technical data – Electrical connection 1, KMPV-SUB

Electrical connection 1, number of connections/cores	15
Electrical connection 1, function	Field device side
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Angular
Electrical connection 1, connector system	Sub-D
Electrical connection 1, used connections/cores	15
Electrical connection 1, type of mounting	2x screw M3

Technical data – Electrical connection 2, KMPV-SUB

Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Cable
Electrical connection 2, connector system	Open end
Electrical connection 2, number of connections/cores	15
Electrical connection 2, used connections/cores	15
Wire ends	Cut off bluntly

Technical data – Electrical, KMPV-SUB

Nominal operating voltage DC	24 V
Operational voltage range DC	≤30 V
Immunity to surge	1 kV
Pollution degree	3

Technical data – Cable, KMPV-SUB

Cable diameter	8.2 mm
Cable diameter tolerance	± 0.2 mm
Cable characteristic	Standard
Test conditions cable	Test conditions on request
Bending radius, fixed cable	≥82 mm
Cable structure	15 x 0.25 mm ²
Nominal cross section conductor	0.25 mm ²

Materials, KMPV-SUB

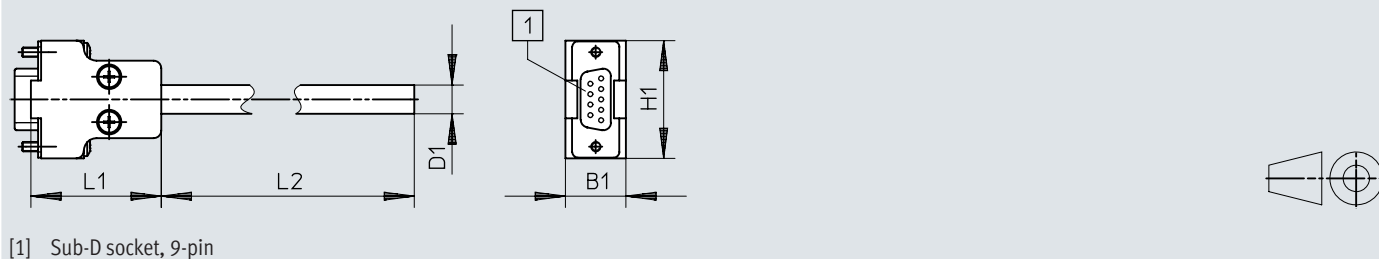
Material housing	PA
Housing colour	Black
Material electrical contact	Copper alloy, Bronze
Cable sheath colour	Grey
Material cable sheath	TPE-U(PUR)
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Datasheet

Operating and environmental conditions, KMPV-SUB	
Ambient temperature	-20 ... 80°C
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Degree of protection	IP65
Note on degree of protection	In assembled state

Dimensions

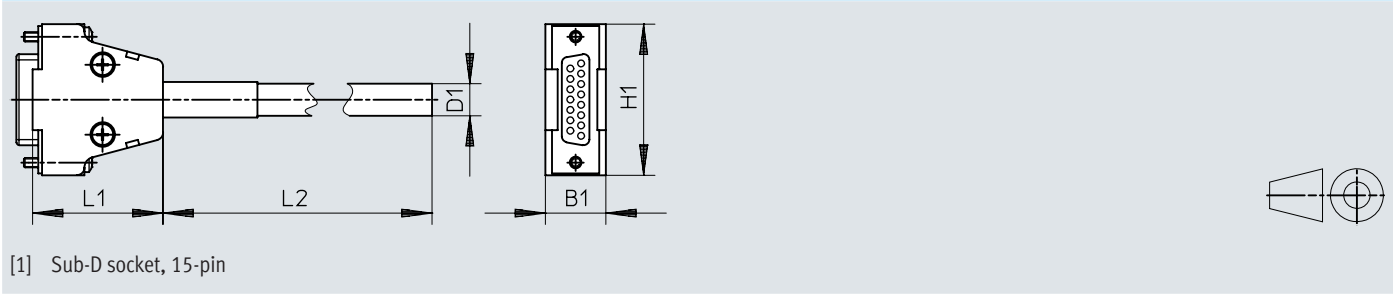
Dimensions – Connecting cable KMP6, 9-pin

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	B1	D1	H1	L1	L2
KMP6-09P-8-2,5	16	7,6	31,2	34,5	2500
KMP6-09P-8-5					5000
KMP6-09P-8-10					10000

Dimensions

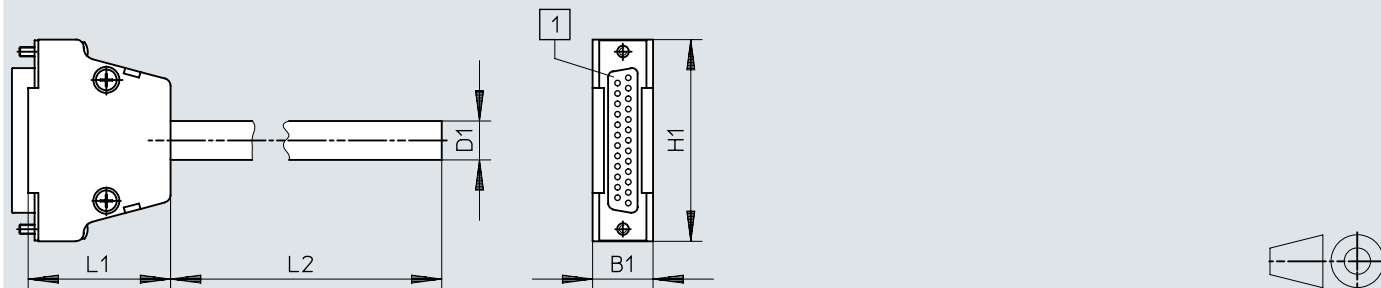
Dimensions – Connecting cable KMP6, 15-pin Download CAD data www.festo.com



	B1	D1	H1	L1	L2
KMP6-15P-12-2,5	16	8,5	40	34,5	2500
KMP6-15P-12-5					5000
KMP6-15P-12-10					10000

Dimensions

Dimensions – Connecting cable KMP6, 25-pin

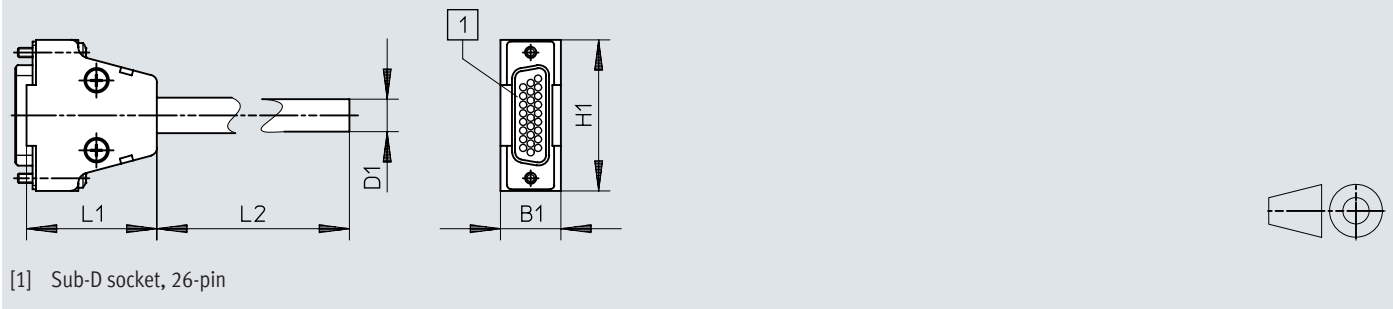
[Download CAD data](#) www.festo.com


[1] Sub-D socket, straight, 25-pin

	B1	D1 ø	H1	L1	L2
KMP6-25P-12-2,5	16	8,5	53,4	2500	37,7
KMP6-25P-12-5				5000	
KMP6-25P-12-10				10000	
KMP6-25P-20-2,5	16	10,3	53,4	2500	37,7
KMP6-25P-20-5				5000	
KMP6-25P-20-10				10000	

Dimensions

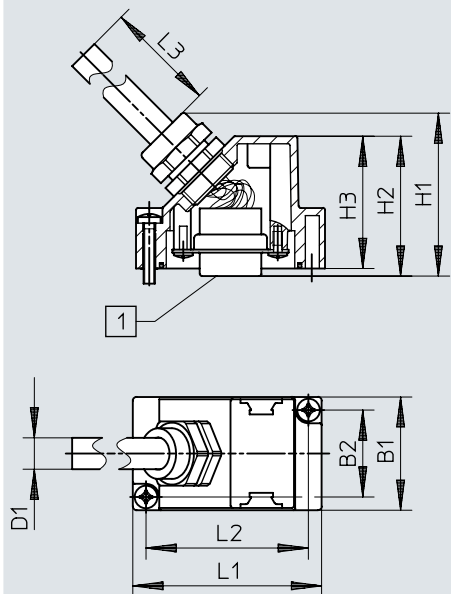
Dimensions – Connecting cable KMP6, 26-pin Download CAD data www.festo.com



	B1	D1	H1	L1	L2
KMP6-26P-16-2,5	16	8,6	40	34,5	2500
KMP6-26P-16-5					5000
KMP6-26P-16-10					10000

Dimensions

Dimensions – Connecting cable KMP3/KMP4, 9-pin

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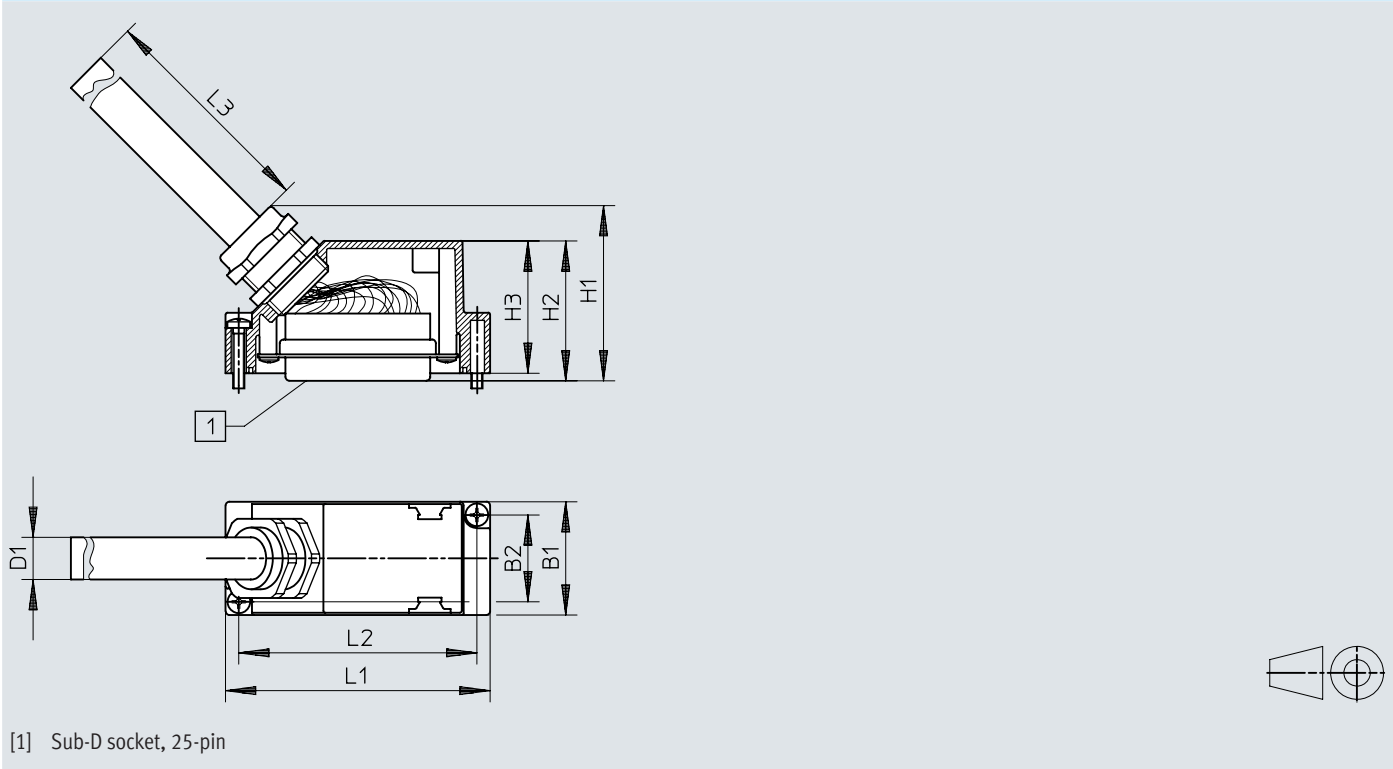
[1] Sub-D socket, 9-pin

	B1	B2	D1	H1	H2
KMP3-9P-08-5	30	23	7,15	43	37
KMP3-9P-08-10					
KMP3-9P-08-X					
KMP4-9P-5-PVC			7,4		
KMP4-9P-10-PVC					
KMP4-9P-5-PUR			7		
KMP4-9P-10-PUR					

	H3	L1	L2	L3
KMP3-9P-08-5	35	50	43	5000
KMP3-9P-08-10				10000
KMP3-9P-08-X				1000 ... 99000
KMP4-9P-5-PVC				5000
KMP4-9P-10-PVC				10000
KMP4-9P-5-PUR				5000
KMP4-9P-10-PUR				10000

Dimensions

Dimensions – Connecting cable KMP3/KMP4, 25-pin Download CAD data www.festo.com

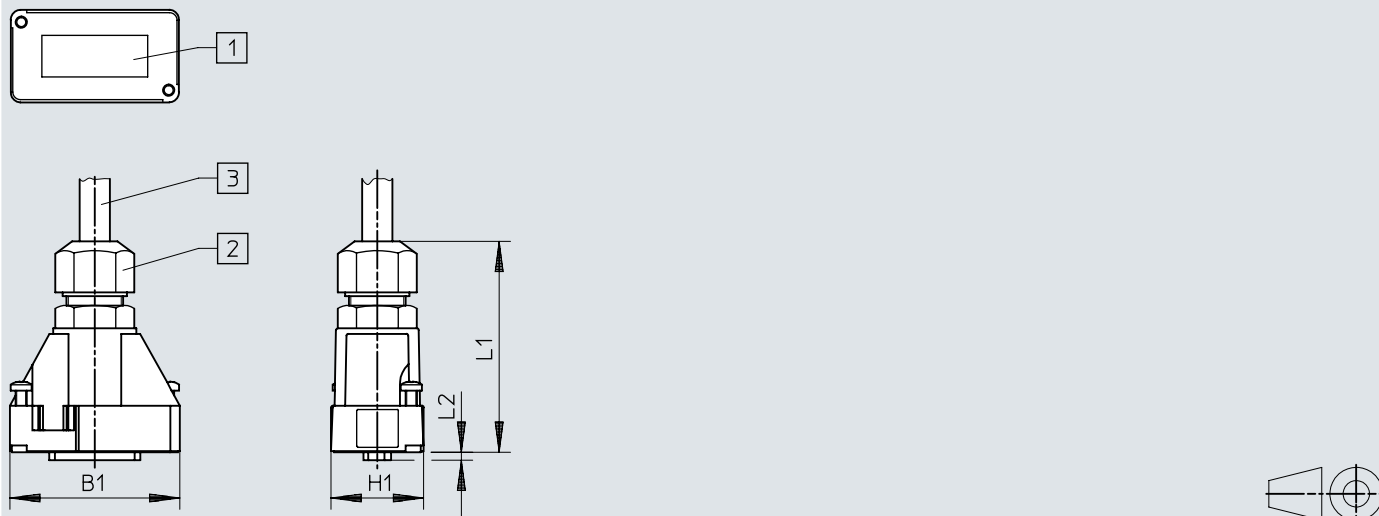


	B1	B2	D1	H1	H2
KMP3-25P-16-5	30	23	8,5	47	37
KMP3-25P-16-10					
KMP3-25P-16-X					
KMP4-25P-5-PVC			10,4		
KMP4-25P-10-PVC					
KMP4-25P-5-PUR					
KMP4-25P-10-PUR					

	H3	L1	L2	L3
KMP3-25P-16-5	35	70	63	5000
KMP3-25P-16-10				10000
KMP3-25P-16-X				1000 ... 99000
KMP4-25P-5-PVC				5000
KMP4-25P-10-PVC				10000
KMP4-25P-5-PUR				5000
KMP4-25P-10-PUR				10000

Dimensions

Dimensions – Connecting cable KMPV-SUB

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


- [1] Sub-D socket, 15-pin
- [2] Cable fitting PG9
- [3] Cable length 5 m or 10 m

	B1	H1	L1	L2
KMPV-SUB-D	44,5	24,5	56,5	2,1

Ordering data

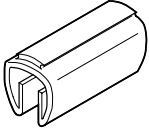
KMP6					
	Electrical connection 1, number of connections/ cores	Cable length	Product weight	Part no.	Type
	9	2.5 m	248 g	531184	KMP6-09P-8-2,5
		5 m	454 g	531185	KMP6-09P-8-5
		10 m	864 g	531186	KMP6-09P-8-10
	15	2.5 m	293 g	527543	KMP6-15P-12-2,5
		5 m	585 g	527544	KMP6-15P-12-5
		10 m	1,134 g	527545	KMP6-15P-12-10
	25	2.5 m	329 g	530049	KMP6-25P-12-2,5
			432 g	530046	KMP6-25P-20-2,5
		5 m	590 g	530050	KMP6-25P-12-5
			814 g	530047	KMP6-25P-20-5
		10 m	1,140 g	530051	KMP6-25P-12-10
			1,600 g	530048	KMP6-25P-20-10
	26	2.5 m	280 g	527546	KMP6-26P-16-2,5
		5 m	570 g	527547	KMP6-26P-16-5
		10 m	1,145 g	527548	KMP6-26P-16-10

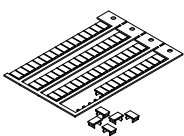
KMP3					
	Electrical connection 1, number of connections/ cores	Cable length	Product weight	Part no.	Type
	9	1 ... 99 m		18697	KMP3-9P-08-
		5 m	425 g	18698	KMP3-9P-08-5
		10 m	814 g	18579	KMP3-9P-08-10
	25	1 ... 99 m		18699	KMP3-25P-16-
		5 m	672 g	18624	KMP3-25P-16-5
		10 m	1,303 g	18625	KMP3-25P-16-10

KMP4					
	Electrical connection 1, number of connections/ cores	Cable length	Product weight	Part no.	Type
	9	5 m	378 g	193014	KMP4-9P-5-PUR
			413 g	193012	KMP4-9P-5-PVC
		10 m	723 g	193015	KMP4-9P-10-PUR
			791 g	193013	KMP4-9P-10-PVC
	25	5 m	702 g	193018	KMP4-25P-5-PUR
			854 g	193016	KMP4-25P-5-PVC
		10 m	1,617 g	193019	KMP4-25P-10-PUR
			1,657 g	193017	KMP4-25P-10-PVC

KMPV-SUB					
	Electrical connection 1, number of connections/ cores	Cable length	Product weight	Part no.	Type
	15	5 m	300 g	177673	KMPV-SUB-D-15-5
		10 m	400 g	177674	KMPV-SUB-D-15-10

Accessories

Inscription label KM-BZ				
	Description	Size	Part no.	Type
	For attaching to a cable with diameter 5 ... 8 mm	20x5.2 mm	33361	KM-BZ

Inscription label IBS				
	Description		Part no.	Type
	Inscription labels 6x10 mm, 64 pieces, in frames		18576	IBS-6X10