

Connecting cables for positioning, M16x0.75

Type codes

NEBP - M16 W 6 - K - 2 - M9 W S9

Function	
NEBP	Connecting cables for positioning
Connection technology on the left, field device side	
M16	Socket M16x0.75
Cable outlet on the left	
W	Angled
Number of pins/wires, left	
6	6-pin
Cable characteristics	
K	Standard
Cable length	
2	2 m
Connection technology on the right, controller side	
M9	Plug M9x0.5
Cable outlet on the right	
W	Angled
Number of pins/wires, right	
5	5-pin

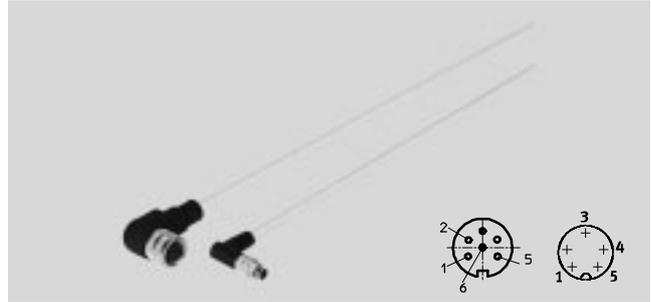
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Technical data

FESTO

Connecting cable NEBP-M16W6

- Connecting cable
- Preassembled at both ends
- For connecting measuring modules CPX-CMIX or proportional directional control valves VPWP to displacement encoders MME
- 2 m cable length



General technical data	
Cable identification	With accessories

Technical data – Electrical connection 1	
Function	Field device side
Connection type	Socket
Cable outlet	Angled
Design	Round
Connection technology	M16x0.75
Number of poles/wires	6
Assigned pins/wires	4
Type of mounting	Screw-type lock

Technical data – Electrical connection 2	
Function	Controller side
Connection type	Plug
Cable outlet	Angled/straight
Design	Round
Connection technology	M9x0.5
Number of poles/wires	5
Assigned pins/wires	4
Type of mounting	Screw-type lock

Technical data – Electrical		
Operating voltage range	[V DC]	0 ... 30
Surge resistance	[kV]	0.5
Current rating at 40 °C	[A]	3
Information on current rating at 40 °C		2.3 A for 0.34 mm ²
		3.6 A for 0.49 mm ²
Contamination level		1
Additional functions		Product-specific pin allocation

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Technical data – Cables			
Cable diameter	[mm]	5.5	
Cable design	[mm ²]	2x0.25 + 2x0.34 + 0.49	
		Shielded	
Nominal conductor cross section	[mm ²]	0.25	0.34
Cable characteristics		Suitable for energy chains	
Bending radius, flexible cable installation	[mm]	≥75	
Cable test conditions		Test conditions on request	

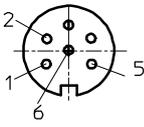
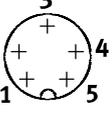
Materials	
Housing	TPE-U(PUR)
Housing colour	Black
Screw-type lock	Brass, nickel-plated
Pin contacts	Bronze, gold-plated
	Brass, gold-plated
Cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Insulating sheath	TPE-U(PUR)
Note on materials	RoHS-compliant

Operating and environmental conditions		
Ambient temperature	[°C]	-20 ... +70
Ambient temperature with flexible cable installation	[°C]	-5 ... +70
Degree of protection		IP65
		IP67
Note on degree of protection		In assembled state
Corrosion resistance class CRC ¹⁾		1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070
 Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

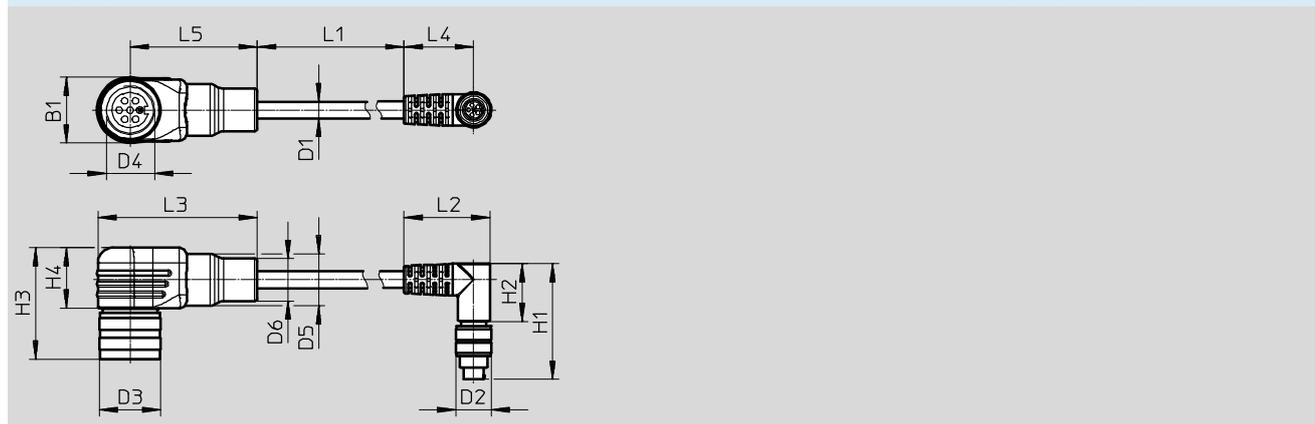
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Circuitry (view of socket/plug connector)				
Electrical connection 1	Pin	Wire colour ¹⁾	Pin	Electrical connection 2
	1	BN	5	
	2	WH	4	
	3	n.c.	-	
	4	n.c.	-	
	5	YE	1	
	6	GN	3	
	n.c.	GY	2	

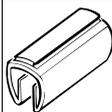
1) To IEC 757

Dimensions Download CAD data → www.festo.com



Type code	B1	D1	D2	D3	D4	D5	D6	H1	H2	H3	H4	L1	L2	L3	L4	L5
NEBP-M16W6-K-2-M9W5	21.6	5.5	11.5	20	M16x 0.75	17	14	38	19	36.6	19.8	2000	28	52	22.8	41.5

Ordering data				
Electrical connection	Cable length [m]	Weight [g]	Part No.	Type code
Angled socket M16x0.75 – angled plug M9x0.5	2	160	575898	NEBP-M16W6-K-2-M9W5

Ordering data – Accessories				
			Part No.	Type code
	Inscription labels for placing on a cable with diameter 5 ... 8 mm	11x20 mm	33361	KM-BZ