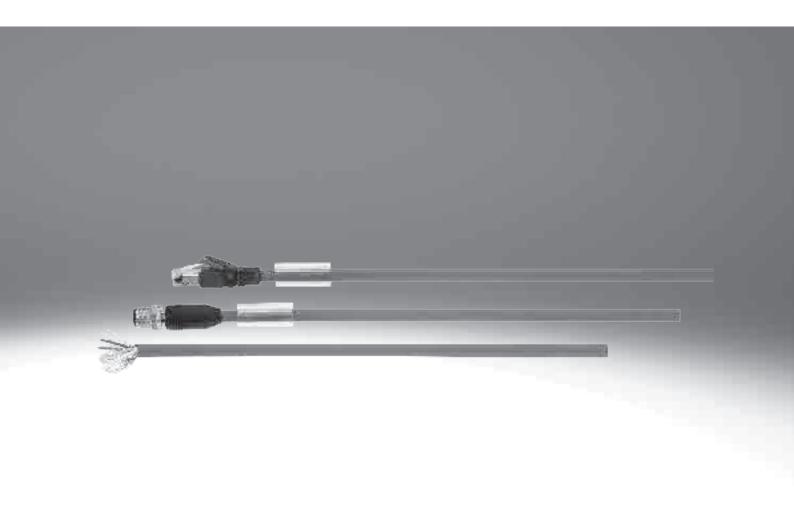
Connecting cables for controllers

FESTO



Connecting cables for controllers

Product range overview

	Design	Туре	Connection technology (Electrical connection 2)	Cable characteristic	Length	→ Page/ Internet
nnec-	M8 plug			·	:	:
	4-pin	NEBC-M8	Socket, Sub-D, 9-pin	Suitable for energy chains	1.5 m	6
	A-coded			3,	2.5 m	
	4-pin	NEBC-D8	M8x1 plug, D-coded	Suitable for energy chains	0.3 m	8
	D-coded				0.5 m	
					1 m	
					2 m	
					5 m	
					7.5 m	
					10 m	
					15 m	
					20 m	
					25 m	
					30 m	
					40 m	
					50 m	
	M9 plug					,
	5-pin	NEBC-M9	Open cable end	Suitable for energy chains	2 m	12
				0,	5 m	
	M12 plug					
	4-pin	NEBC-D12	M12 plug, 4-pin	Basic	0.5 m	14
	D-coded		RJ45 plug, 8-pin	Suitable for energy chains	1 m	
			Open cable end		3 m	
					5 m	
					10 m	
	5-pin A-coded	NEBC-M12	M12 plug, 5-pin	Standard	1.5 m	18
	5-pin	NEBC-A1W3	Socket	Standard	0.3 m	20
	8-pin	NEBC-F12	M12 plug, 8-pin	Standard	0.25 m	22
	Festo-specific				0.5 m	
	coding				1 m	
					1.5 m	
					2 m	
					3 m	
	Sub-D plug					
	15-pin	NEBC-S1H15	Open cable end	Suitable for energy chains	1 m	25
					2.5 m	
					5 m	
					10 m	
	25-pin	NEBC-S1G25	Sub-D plug, 25-pin	Standard	1 m	28
			Open cable end		2 m	
					2.5 m	
					3.2 m	
					5 m	
	RJ45 plug	NEDC DOC	DIVE 1 0 :		10.2	120
	8-pin	NEBC-R3G4	RJ45 plug, 8-pin	Standard	0.2 m	30
				Suitable for energy chains	1 m	
	Plug and socket st	trip RJ45 NEBC-R3Z12G20	RJ45 plug and socket strip 12 pins,	Standard	5 m	33
	20-piii	NEDC-R3Z1ZGZU		Stalldald	10 m	33
			2 rows		15 m	
	USB 2.0 plug, typ	ΑΛ				
	4-pin	NEBC-U1G4	USB 2.0 plug, type B	Standard	1.8 m	35
	USB 3.0 plug, typ					
	10-pin	NEBC-U7G10	USB 3.0 plug, type A	Standard	5 m	36
				Suitable for energy chains	15 m	
					30 m	
		NEBC-U7W10	Socket USB 3.0, type B	Standard	0.45 m	39

Product range overview

Function	Design	Туре	Connection technology (Electrical connection 2)	Cable characteristic	Length	→ Page/ Internet
Electrical connec-	Socket HR25					
tion 1 socket	8-pin	NEBC-H25G8	Open cable end	Suitable for energy chains	4.93 m	42
	Socket M12x1					
	5-pin	NEBC-M12G5	Open cable end	Suitable for energy chains	5 m	44
	8-pin	NEBC-M12G8	M12 plug, 8-pin	Suitable for energy chains	2 m	46
		NEBC-M12W8	Open cable end		5 m	
					10 m	
					15 m	
	Sub-D socket					
	9-pin	NEBC-S1WA9	Open cable end	Standard	2.5 m	49
					5 m	
					10 m	
					0.5 20 m	

Connecting cables for controllers

Type codes

001	Series	
NEBC	Connecting cable for controllers	
002	Product version	
002		
<u> </u>	Standard	
С	Easy-to-clean design	
003	Connection technology left, field device side	
A1	Socket type A, EN 175301-803	
LE	Open end	
M8	Socket M8x1 A-coded, EN 61076-2-104	
M12	Socket M12x1 A-coded, EN 61076-2-101	
D8	M8, D-coded, IEC 61076-2-114 ED1	
M9	M9	
D12	M12, D-coded	
F12	M12, Festo-specific encoding	
U1	USB, type A	
U7	USB 3.0, type B	
R3	RJ45	
S1	Sub-D socket	
P1	Fork spring	
R3Z12	RJ45 and socket strip 12-pin	
H25	Socket connection pattern H25	
004	Cable outlet left	
	None	
G	Straight	
Н	Straight, 3-row	
W	Angled	
WA	Angled 45°	
005	Number of pins/wires on the left	
3	3	
4	4	
5	5	
8	8	
9	9	
10	10	
15	15	
20 25	20 25	
25	25	
006	Additional socket functions	
	None	
HS	With seal	
007	Cable characteristic	
	Without cable	
K	Standard	
E	Suitable for energy chains	
008	Cable design	
	l Standard	
S	Standard With shielding	

009	Cable length [m]
0.2	0.2
0.25	0.25
0.3	0.3
0.5	0.5
1	1
1.5	1.5
1.8	1.8
2	2
2.5	2.5
3	3
3.2	3.2
5	5
7.5	7.5
10	10
15	15
20	20
25	25
30	30
40	40
50	50
1	La company of
010	Cable identification
	With label holder
N	Without label holder
011	Type of connector
	Standard
В	Socket
S	Plug at both ends
SB	Plug/socket
SBS	Plug, left socket strip/right plug
202	ו ועב, וכונ שטניהבו שנווף/ווצווג אומצ

011	Type of connector	
	Standard	
В	Socket	
S	Plug at both ends	
SB	Plug/socket	
SBS	Plug, left socket strip/right plug	
012	Connection technology right, controller side	
16	Open and	

012	connection teametagy rightly controller state	
LE	Open end	
D8	M8, D-coded, IEC 61076-2-114 ED1	
M12	Plug M12x1 A-coded, EN 61076-2-101	
F12	M12, 4 wires	
D12	M12, D-coded	
RS	Round plug	
U5	USB 3.0, type A	
U7	Plug USB 3.0 type B micro	
U2	USB, type B	
R3	RJ45	
S1	Sub-D	

013	Plug	
	None	
G	Straight	
W	Angled	

Type codes

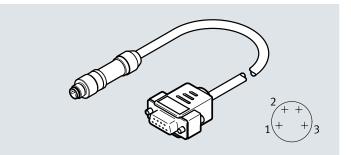
014	Number of pins/wires on the right	
3	3	
4	4	
5	5	
8	8	
9	9	
10	10	
15	15	
17	17	
25	25	
26	26	

Bus protocol/activation	
None	
EtherNet	
CANopen	
I-Port interface	
RS232	
	None EtherNet CANopen I-Port interface

016	Degree of protection, electrical system	
	Standard	
S7	IP20	
S1	IP65	
S10	IP65/IP67/IP69K	

Connecting cable NEBC-M8G4

- Connecting cable with 4-pin plug M8x1
- Pre-assembled at one end
- Cable lengths 1.5 m and 2.5 m
- Suitable for electrical module VAEM-VS8RS2



General technical data		
Protocol	RS232	
Mounting position	Any	
Cable identification	With accessories	

Technical data – Electrical connection 1		
Function	Field device side	
Connection type	Plug	
Cable outlet	Straight	
Design	Round	
Connection technology	M8x1, A-coded to EN 61076-2-104	
Number of pins/wires	4	
Assigned pins/wires	3	
Type of mounting	Screw-type lock	

Technical data – Electrical connection 2		
Function	Controller side	
Connection type	Socket	
Cable outlet	Straight	
Design	Rectangular	
Connection technology	Sub-D	
Number of pins/wires	9	
Assigned pins/wires	8	
Type of mounting	2x screw 4-40 UNC	

Technical data – Electrics		
Nominal operating voltage	[V DC]	24
Operating voltage range	[V DC]	0 24
Surge resistance	[kV]	1.5
Acceptable current load at 40°C	[A]	4
Pollution degree		2
Shielding		Yes

Technical data – Cable		
Cable diameter	[mm]	4.6
Cable diameter tolerance	[mm]	±0.1
Cable characteristic		Suitable for energy chains
Bending radius, fixed cable	[mm]	≥24
installation		
Bending radius, flexible cable	[mm]	≥47
installation		
Cable test conditions		Test conditions on request
Cable composition	[mm ²]	3x0.34
Nominal conductor cross section	[mm ²]	0.34

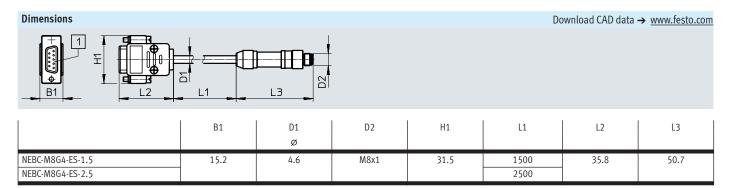
Materials		
Cable sheath	TPE-U(PUR)	
Cable sheath colour	Black	
Note on materials	RoHS-compliant	
PWIS conformity	VDMA24364 zone III	

Operating and environmental conditions		
Ambient temperature [°C]	0 +50	
Ambient temperature with [°C]	0 +50	
flexible cable installation		
CE marking (see declaration of conformity) ¹⁾	To EU RoHS Directive	
UKCA marking (see declaration of conformity) ¹⁾	To UK RoHS instructions	
Degree of protection	IP67	
Note on degree of protection	In mounted state	
	IP20 for Sub-D socket	

 $^{1) \}quad \text{Additional information: www.festo.com/catalogue/...} \rightarrow \text{Support/Downloads}.$

Electrical connection 1	Pin	Wire o	olour ¹⁾	Pin	Electrical connection 2
2 —	1	В	N	5	
2 + +	2	ВК		2	5(0000)1 9(000)6
.(+ +)-	3	BU		3	9\0000/6
1\' '/3	4	n.c.	Bridge to pin 4 and 6	1	
	-	-	Bridge to pin 1 and 6	4	
	-	-	Bridge to pin 1 and 4	6	
	-	-	Bridge to pin 8	7	
	-	-	Bridge to pin 7	8	
	-	-	n.c.	9	
	Housing	Shie	lding	Housing	7

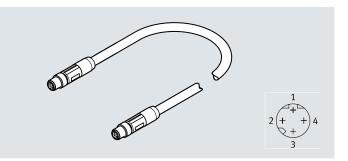
¹⁾ To IEC 757



Ordering data			
	Cable length	Part no.	Туре
	[m]		
M8x1 plug – Sub-D socket, 9-pin	1.5	8099218	NEBC-M8G4-ES-1.5-N-SB-S1G9-RS2-S7
	2.5	8086524	NEBC-M8G4-ES-2.5-N-SB-S1G9-RS2-S7

Connecting cable NEBC-D8G4

- Connecting cable with 4-pin plug M8x1
- Pre-assembled at both ends
- Cable lengths 0.3 m, 0.5 m, 1.0 m, 2.0 m, 5.0 m, 7.5 m, 10.0 m and 15.0 m
- Suitable for automation system CPX-AP-I



General technical data		
Based on standard	EN 61076-2-114	
Transmission characteristics	According to system communication AP	
Cable identification	Without inscription label holder	
Contact durability	100	

Technical data – Electrical connection 1			
Туре	NEBC-D8G4	NEBC-D8W4	
Function	Controller side	Controller side	
Connection type	Plug	Plug	
Cable outlet	Straight	Angled	
Design	Round	Round	
Connection technology	M8x1, D-coded to EN 61076-2-114	M8x1, D-coded to EN 61076-2-114	
Number of pins/wires	4	4	
Assigned pins/wires	4	4	
Type of mounting	Screw-type lock with longitudinal knurl	Screw-type lock with longitudinal knurl	

Technical data – Electrical connection 2				
Туре	NEBC-D8G4	NEBC-D8W4		
Function	Controller side	Controller side		
Connection type	Plug	Plug		
Cable outlet	Straight	Angled		
Design	Round	Round		
Connection technology	M8x1, D-coded to EN 61076-2-114	M8x1, D-coded to EN 61076-2-114		
Number of pins/wires	4	4		
Assigned pins/wires	4	4		
Type of mounting	Screw-type lock with longitudinal knurl	Screw-type lock with longitudinal knurl		

Technical data – Electrics		
Nominal operating voltage	[V DC]	24
Operating voltage range	[V DC]	030
Surge resistance	[kV]	1.5
Acceptable current load at 40°C	[A]	3
Reverse polarity protection		No
Protective earth connection		Not provided
Shielding		Yes
Pollution degree		3

Technical data – Cable		
Cable diameter	[mm]	6.3
Cable diameter tolerance	[mm]	±0.2
Cable characteristic		Suitable for energy chains
Bending radius, fixed cable	[mm]	≥20
installation		
Bending radius, flexible cable	[mm]	≥75
installation		
Cable test conditions		Test conditions on request
Cable composition		1 x (4 x AWG22)
Nominal conductor cross section		AWG22
Special characteristics		Oil-resistant

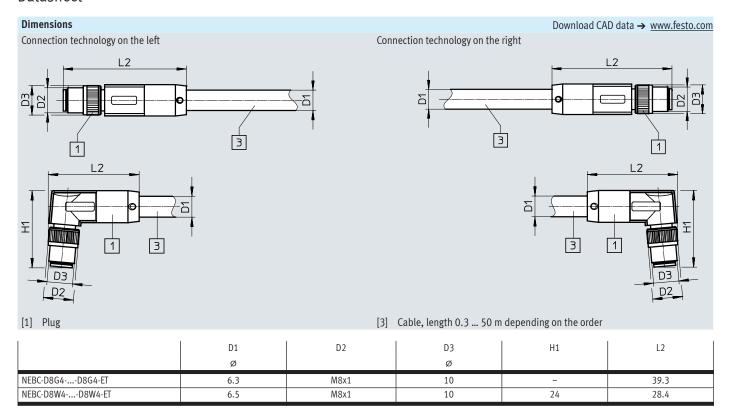
Materials	
Housing	PA, TPE-U(PUR)
Housing colour	Black
Screw-type lock	Nickel-plated brass
Seals	NBR
Pin contacts	Gold-plated copper alloy
Cable sheath	TPE-U(PUR)
Cable sheath colour	Silver-grey with sky blue stripe
Insulating sheath	PP
Note on materials	RoHS-compliant
	Halogen-free
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions	
Ambient temperature [°C]	-20 +60
Ambient temperature with [°C]	_5 +60
flexible cable installation	
Storage temperature	_40 +70
Corrosion resistance class CRC ¹⁾	2
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions
Degree of protection	IP65
	IP67
Note on degree of protection	In mounted state
Certification	c UL us (OL)
Certificate issuing authority	UL E520706

- Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/... → Support/Downloads.

Circuitry (socket/plug view)				
Electrical connection 1	Pin	Wire colour ¹⁾	Pin	Electrical connection 2
1	1	BL	1	1
	2	OR	2	
2(1 7)4	3	WH	3	$\left[\begin{array}{cccccccccccccccccccccccccccccccccccc$
2 (+ +) 4	4	YE	4] 2 (+ +)4
+	Housing	Shielding	Housing) +
3				3

1) To IEC 757

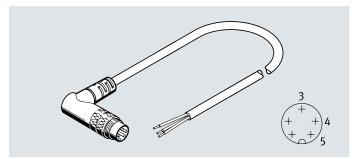


Ordering data	1	ı		1	1
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Туре
		[m]	[g]		
Straight plug,	Straight plug,	0.3	31	* 8082902	NEBC-D8G4-ES-0.3-N-S-D8G4-ET
M8x1, 4-pin, D-coded to EN 61076-2-114	M8x1, 4-pin, D-coded to EN 61076-2-114	0.5	43	8065123	NEBC-D8G4-ES-0.5-N-S-D8G4-ET
		1	70	8065125	NEBC-D8G4-ES-1-N-S-D8G4-ET
		2	129	8065127	NEBC-D8G4-ES-2-N-S-D8G4-ET
		5	305	★ 8065129	NEBC-D8G4-ES-5-N-S-D8G4-ET
		7.5	445	8065131	NEBC-D8G4-ES-7.5-N-S-D8G4-ET
		10	590	8065133	NEBC-D8G4-ES-10-N-S-D8G4-ET
		15	875	8065135	NEBC-D8G4-ES-15-N-S-D8G4-ET
		20	1172	8146031	NEBC-D8G4-ES-20-N-S-D8G4-ET
		25	1462	8146032	NEBC-D8G4-ES-25-N-S-D8G4-ET
		30	1752	8146033	NEBC-D8G4-ES-30-N-S-D8G4-ET
		40	2332	8146034	NEBC-D8G4-ES-40-N-S-D8G4-ET
		50	2912	8146035	NEBC-D8G4-ES-50-N-S-D8G4-ET
Angled plug,	Angled plug,	0.5	46	8065124	NEBC-D8W4-ES-0.5-N-S-D8W4-ET
M8x1, 4-pin, D-coded to EN 61076-2-114	M8x1, 4-pin, D-coded to EN 61076-2-114	1	75	8065126	NEBC-D8W4-ES-1-N-S-D8W4-ET
		2	133	8065128	NEBC-D8W4-ES-2-N-S-D8W4-ET
		5	306	8065130	NEBC-D8W4-ES-5-N-S-D8W4-ET
		7.5	446	8065132	NEBC-D8W4-ES-7.5-N-S-D8W4-ET
		10	594	8065134	NEBC-D8W4-ES-10-N-S-D8W4-ET
		15	875	8065136	NEBC-D8W4-ES-15-N-S-D8W4-ET
		20	1177	8146036	NEBC-D8W4-ES-20-N-S-D8W4-ET
		25	1467	8146037	NEBC-D8W4-ES-25-N-S-D8W4-ET
		30	1757	8146038	NEBC-D8W4-ES-30-N-S-D8W4-ET
		40	2337	8146039	NEBC-D8W4-ES-40-N-S-D8W4-ET
		50	2917	8146040	NEBC-D8W4-ES-50-N-S-D8W4-ET

Ordering data – Accessories					
			Part no.	Туре	
	Inscription labels for attaching to a cable with diameter 5 8 mm	11x20 mm	33361	KM-BZ	

Connecting cable NEBC-M9W5

- Connecting cable with 5-pin plug M9x0.5
- Pre-assembled at one end
- Cable lengths 2 m and 5 m
- Suitable for CPX-CM-HPP



General technical data	
Cable identification	With accessories

Technical data – Electrical connection 2		
Function	Controller side	
Connection type	Plug	
Cable outlet	Angled	
Design	Round	
Connection technology	M9x0.5	
Number of pins/wires	5	
Assigned pins/wires	3	
Type of mounting	Screw-type lock	

Technical data – Electrical connection 1		
Function	Field device side	
Connection type	Cable	
Connection technology	Open end	
Wire ends	Wire end sleeve	
Number of pins/wires	5	
Assigned pins/wires	3	

Technical data – Electrics		
Operating voltage range	[V DC]	0 30
Surge resistance	[kV]	0.5
Acceptable current load at 40°C	[A]	1.6
Note on current rating at 40°C		2.3 A for 0.34 mm ²
		3.6 A for 0.49 mm ²
Pollution degree		1

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

Materials	
Housing	PA, PBT, TPE-U(PUR)
Housing colour	Black
Screw-type lock	Nickel-plated brass
Pin contacts	Gold-plated bronze
	Gold-plated brass
Cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Insulating sheath	TPE-U(PUR)
Note on materials	RoHS-compliant
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions	
Ambient temperature [°C]	-20 +80
Ambient temperature with [°C]	−5 +80
flexible cable installation	
Corrosion resistance class CRC ¹⁾	1
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions
Degree of protection	IP65
	IP67
Note on degree of protection	In mounted state

Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/...→Support/Downloads.

Circuitry (socket/plug view) Electrical connection 2 Pin Wire colour ¹⁾ Electrical connection 1							
Electrical connection 2	Pin	Wire colour ¹⁾	Electrical connection 1				
3	1	n.c.	-				
	2	n.c.	_				
/ + \	3	GN	Open end				
(+ +)4	4	WH	Open end				
\+ <u>+</u> +/ <u>-</u>	5	BN	Open end				
5							

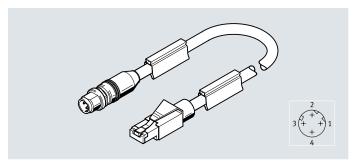
¹⁾ To IEC 757

Ordering data				
	Cable length	Weight	Part no.	Туре
	[m]	[g]		
M9x0.5 plug – open cable end	2	108	563711	NEBC-M9W5-K-2-N-LE3
	5	250	563712	NEBC-M9W5-K-5-N-LE3

Ordering data – Accessories								
			Part no.	Туре				
	Inscription labels for attaching to a cable with diameter 5 8 mm	11x20 mm	33361	KM-BZ				

Connecting cable NEBC-D12G4

- M12 connecting cable, 4-pin
- D-coded
- Cable lengths 0.5 ... 10 m
- Ethernet-compatible



General technical data				
Transmission characteristics	In accordance with category 5, EN 50173, class D			
	In accordance with category 5, ISO/IEC 11801, class D			
Ethernet cable specification	Type: CAT.5			
Cable identification	With inscription label holder			
Contact durability	50			

Technical data – Electrical connection 1			
Function	Field device side		
Connection type	Plug		
Cable outlet	Straight		
Design	Round		
Connection technology	M12x1, D-coded to EN 61076-2-101		
Number of pins/wires	4		
Assigned pins/wires	4		
Type of mounting	Screw-type lock with hex A/F 13 mm and longitudinal knurl		

Technical data – Electrical connect	ion 2		
Function	Controller side	Controller side	Controller side
Connection type	Plug	Plug	Cable
Cable outlet	Straight	Straight	Straight
Design	Round	Rectangular	-
Connection technology	M12x1, D-coded to EN 61076-2-101	RJ45 to IEC 60603-7-3	Open end
Number of pins/wires	4	8	4
Assigned pins/wires	4	4	4
Type of mounting	Screw-type lock with hex A/F 13 mm and longitudinal knurl	Snap-locking	-
Wire ends	-	-	Stripped
	-	-	Cut off bluntly

Technical data – Electrics							
		M12x1 plug, D-coded	RJ45 plug	Open cable end			
Operating voltage range	[V DC]	0 30	0 30	0 30			
	[V AC]	-	-	0 30			
Surge resistance	[kV]	0.8	0.8				
Note on surge resistance		Due to screening, a leakage flow of up to 20	Due to screening, a leakage flow of up to 20 mA is permissible.				
Acceptable current load at 40°C	[A]	4	1.3	4			
Pollution degree		3	3	3			

Technical data – Cable		
Cable diameter	[mm]	6.7
Cable diameter tolerance	[mm]	±0.3
Cable characteristic		Suitable for energy chains
Bending radius, fixed cable	[mm]	≥40
installation		
Bending radius, flexible cable	[mm]	≥100
installation		
Cable test conditions		Energy chain: 2 million cycles, bending radius 100 mm
		Bending strength: to Festo standard
		Test conditions on request
Cable composition	[mm ²]	4 x 0.34 (star quad)
Nominal conductor cross section	[mm ²]	0.34
		AWG22
Special characteristics		Oil-resistant

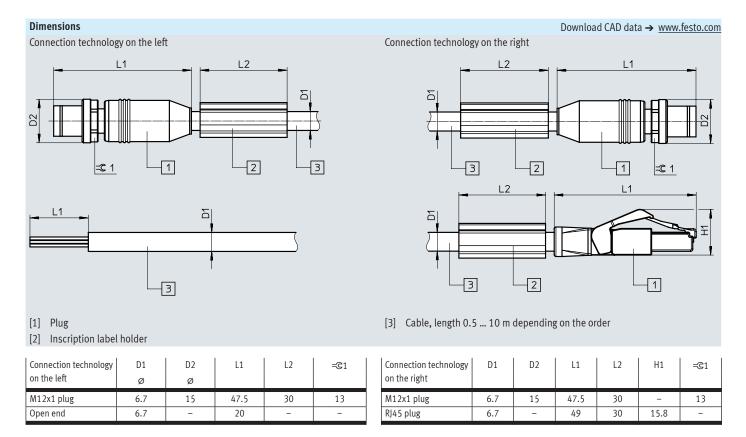
Materials							
	M12x1 plug, D-coded	RJ45 plug	Open cable end				
Housing	TPE-U(PUR)	PA, TPE-U(PUR), nickel-plated brass	TPE-U(PUR)				
Housing colour	Black						
Screw-type lock	Nickel-plated die-cast zinc						
Threaded sleeve	Die-cast zinc	Die-cast zinc					
Pin contacts	Gold-plated brass	Gold-plated brass					
Cable sheath	TPE-U(PUR)						
Cable sheath colour	Green						
Insulating sheath	PE	PE					
Note on materials	RoHS-compliant						
PWIS conformity	VDMA24364-B2-L						

Operating and environmental conditions						
		M12x1 plug, D-coded	RJ45 plug	Open cable end		
Ambient temperature	[°C]	−25 +80				
Ambient temperature with	[°C]	-20 +60				
flexible cable installation						
Storage temperature	[°C]	-25 +80				
Corrosion resistance class CRC ¹⁾		1				
CE marking (see declaration of confo	ormity) ²⁾	To EU RoHS Directive				
UKCA marking (see declaration of co	onformity) ²⁾	To UK RoHS instructions				
Degree of protection		IP65				
		IP67				
Certification		-	-	c UL us - listed (OL)		
Certificate issuing authority		-	-	UL E474609		

Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/... → Support/Downloads.

Circuitry (plug view)								
	Pin	Wire colour ¹⁾	Pin					
Electrical connection, plug, M12x1, 4-p	Electrical connection, plug, M12x1, 4-pin – plug, M12x1, 4-pin							
2	1	YE	1	2				
+	2	WH	2	+				
3 (+ + 1) 1	3	OG	3	3 (+ + 1) 1				
+	4	BU	4	+ 1				
4				4				
Electrical connection, plug, M12x1, 4-p	oin – plug, RJ45, 8-pin							
2	1	YE	1					
	2	WH	3					
3 (+ + 1	3	OG	2	122/5/70				
3 (+ +) 1	4	BU	6	12345678				
	-	-	4					
4	-	-	5					
	-	-	7					
	-	-	8					
Electrical connection, plug, M12x1, 4-p	oin – open cable end							
2	1	YE	Open end					
	2	WH	Open end					
3 (+ +) 1	3	OG	Open end					
3 (+ +) 1	4	BU	Open end					
4								

1) To IEC 757

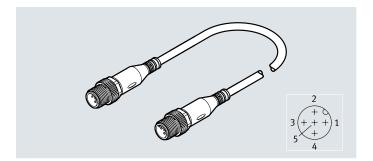


Ordering data					
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Туре
		[m]	[g]		
Straight plug, M12x1, 4-pin, D-coded	Straight plug, M12x1, 4-pin, D-coded	0.5	64.0	8040446	NEBC-D12G4-ES-0.5-S-D12G4-ET
		1	98.5	8040447	NEBC-D12G4-ES-1-S-D12G4-ET
		3	211.0	8040448	NEBC-D12G4-ES-3-S-D12G4-ET
		5	331.5	8040449	NEBC-D12G4-ES-5-S-D12G4-ET
		10	680.0	8040450	NEBC-D12G4-ES-10-S-D12G4-ET
	Straight plug, RJ45, 8-pin	1	93.5	8040451	NEBC-D12G4-ES-1-S-R3G4-ET
		3	219.5	8040452	NEBC-D12G4-ES-3-S-R3G4-ET
		5	350.0	8040453	NEBC-D12G4-ES-5-S-R3G4-ET
		10	679.5	8040454	NEBC-D12G4-ES-10-S-R3G4-ET
	Open end, 4-wire	5	343.0	8040456	NEBC-LE4-ES-5-D12G4-ET

Ordering data – Accessories						
	Electrical connection 1	Electrical connection 2	Part no.	Туре		
Control cabinet through-	feed					
	Straight socket, 4-pin, M12x1, D-coded	Straight socket, 4-pin, M12x1, D-coded	8040459	NEFU-D12G4-D12DG4		
		Angled socket, 8-pin, RJ45	8040457	NEFU-D12G4-R3DW4		

Connecting cable NEBC-M12G

- M12 connecting cable, 5-pin
- A-coded
- Cable length 1.5 m
- Suitable for CPX-IOT



General technical data	
Cable identification	With accessories
Contact durability	500

Technical data – Electrical connection 1		
Function	Field device side	
Connection type	Plug	
Cable outlet	Straight	
Design	Round	
Connection technology	M12x1, A-coded to EN 61076-2-101	
Number of pins/wires	5	
Assigned pins/wires	5	
Type of mounting	Screw-type lock	

Technical data – Electrical connection 2	
Function	Controller side
Connection type	Plug
Cable outlet	Straight
Design	Round
Connection technology	M12x1, A-coded to EN 61076-2-101
Number of pins/wires	5
Assigned pins/wires	5
Type of mounting	Screw-type lock

Technical data – Electrics		
Operating voltage range	[V DC]	0 30
	[V AC]	0 30
Surge resistance	[kV]	0.8
Acceptable current load at 40°C	[A]	4
Pollution degree		3

Technical data – Cable		
Cable diameter	[mm]	5
Cable characteristic		Standard
Cable test conditions		Test conditions on request
Cable composition	[mm ²]	4x0.34
		Shielded
Nominal conductor cross section	[mm ²]	0.34

Materials	
Housing	TPE-U(PUR)
Housing colour	Black
Screw-type lock	Nickel-plated brass
Material of pin contacts	Gold-plated bronze
	Gold-plated brass
Cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Insulating sheath	PVC
Note on materials	RoHS-compliant
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions				
Ambient temperature [°C]	−25 +70			
Ambient temperature with [°C]	-5 +70			
flexible cable installation				
Corrosion resistance class CRC ¹⁾	2			
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive			
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions			
Degree of protection	IP65			
	IP67			
Note on degree of protection	In mounted state			

- Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/...

 Support/Downloads.

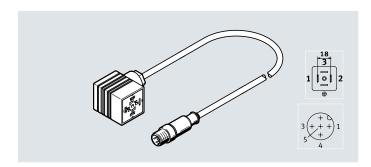
Circuitry (plug view)						
	Pin	Wire colour ¹⁾	Pin	Electrical connection 2		
2	1	BN	1	2		
	2	WH	4			
+ 4	3	BU	3] + \(\)		
(+,+,+)1	4	BK	2] 3(+,++)1		
5 +	5	Shielding	5	5 +		
4				4		

1) To IEC 757

Ordering data					
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Туре
		[m]	[g]		
Straight plug, M12x1, 5-pin, A-coded to	Straight plug, M12x1, 5-pin, A-coded to	1.5	163	8085741	NEBC-M12G5-S-1.5-N-M12G5
EN 61076-2-101	EN 61076-2-101				

Connecting cable NEBC-A1W3

- M12 connecting cable, 5-pin
- Cable length 0.3 m



General technical data	
Based on standard	EN 61076-2-101
Cable identification	Without inscription label holder

Technical data – Electrical connec	tion 1		
Туре	NEBC-A1W3	NEBC-P1W4	
Function	Field device side	Field device side	
Connection type	Socket	Socket	
Cable outlet	Angled	Angled	
Design	Rectangular	Rectangular	
Connection technology	Connection pattern type A to EN 175301-803	Plug pattern P1	
Number of pins/wires	3	4	
Assigned pins/wires	3	4	
Type of mounting	Central screw M3	Central screw M3	

Technical data – Electrical connection 2			
Туре	NEBC-A1W3	NEBC-P1W4	
Function	Controller side	Controller side	
Connection type	Plug	Plug	
Cable outlet	Straight	Straight	
Design	Round	Round	
Connection technology	M12x1, A-coded to EN 61076-2-101	M12x1, A-coded to EN 61076-2-101	
Number of pins/wires	5	5	
Assigned pins/wires	4	4	
Type of mounting	-	Screw-type lock	

Technical data – Electrics			
Туре		NEBC-A1W3	NEBC-P1W4
Operating voltage range	[V DC]	0 60	030
	[V AC]	0 60	030
Acceptable current load at 40°C	[A]	4	4
Surge resistance	[kV]	1.5	0.8
Protective earth connection		Available	Available
Pollution degree		3	3
Shielding		Yes	Yes

Technical data – Cable

Туре		NEBC-A1W3	NEBC-P1W4
Cable diameter	[mm]	5.9	5.9
Permissible cable diameter	[mm]	5.7 6.1	5.7 6.1
Cable characteristic		Standard	Standard
Bending radius, fixed cable	[mm]	≥90	≥90
installation			
Minimum cable bending radius	[mm]	90	90
Cable test conditions		Test conditions on request	_
Cable composition	[mm ²]	4x0.34	4x0.34
Nominal conductor cross section	[mm ²]	0.34	0.34

Materials	
Housing	PA
	TPE-U(PUR)
Housing colour	Black
Cable sheath	PVC
	TPE-U(PUR)
Cable sheath colour	Grey
Insulating sheath	PVC
Note on materials	RoHS-compliant
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions		
Ambient temperature [°C]	−25 +80	
Ambient temperature with [°C]	_5 +70	
flexible cable installation		
Corrosion resistance class CRC ¹⁾	0	
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive	
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions	
Degree of protection	IP65	
Note on degree of protection	In mounted state	

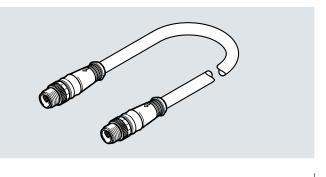
¹⁾ Additional information: www.festo.com/x/topic/kbk

²⁾ Additional information: www.festo.com/catalogue/... \rightarrow Support/Downloads.

Ordering data					
Electrical connection 2	Electrical connection 1	Cable length	Weight	Part no.	Туре
		[m]	[g]		
Straight plug, M12x1, A-coded, 5-pin	Angled socket, plug pattern type A	0.3	188	549294	NEBC-A1W3-K-0.3-N-M12G5
	to EN 175301-803				
	Angled socket, plug pattern P1	0.3	188	549293	NEBC-P1W4-K-0,3-N-M12G5

Connecting cable NEBC-F12G8

- Hybrid cable for common transmission of bus signal and power supply
- Hybrid plug M12, 8-pin
- Pre-assembled at both ends
- Cable lengths 0.25 ... 3 m



General technical data	
Based on standard	Dimensions to EN 61076-2-101
Cable identification	Without inscription label holder
Contact durability	100

Technical data – Electrical connection 1		
Function	Field device side, controller side	
Connection type	Hybrid plug	
Cable outlet	Straight	
Design	Round	
Connection technology	M12x1, with Festo specific coding	
Number of pins/wires	8	
Assigned pins/wires	8	
Type of mounting	Screw-type lock, size 14, with longitudinal knurl	

Technical data — Electrical connection 2	
Function	Field device side, controller side
Connection type	Hybrid plug
Cable outlet	Straight
Design	Round
Connection technology	M12x1, with Festo specific coding
Number of pins/wires	8
Assigned pins/wires	8
Type of mounting	Screw-type lock, size 14, with longitudinal knurl

Technical data – Electrics		
Operating voltage range	[V]	0 30
Surge resistance	[kV]	0.8
Acceptable current load at 40°C	[A]	7
Note on current rating	[A]	1.5 A for conductor cross section 0.14 mm ²
Pollution degree		3

Technical data – Cable			
Cable diameter	[mm]	8	
Cable diameter tolerance	[mm]	±0.2	
Cable characteristic		Standard	
Bending radius, fixed cable	[mm]	≥24	
installation			
Bending radius, flexible cable	[mm]	≥56	
installation			
Cable test conditions		Test conditions on request	
Cable composition	[mm ²]	(1x(4x0.14)) + 4x0.75	
Nominal conductor cross section	[mm ²]	0.14	0.75
Special characteristics		Oil-resistant	

Materials	
Housing	TPE-U(PUR)
Housing colour	Black
Screw-type lock	Nickel-plated brass
Pin contacts	Gold-plated brass
Cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Insulating sheath	PP
Note on materials	RoHS-compliant
	Halogen-free
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions					
Ambient temperature [°C]	-25 +70				
Ambient temperature with [°C]	-5 +70				
flexible cable installation					
Storage temperature [°C]	-40 +70				
Corrosion resistance class CRC ¹⁾					
CE marking (see declaration of conformity) ²	To EU RoHS Directive				
UKCA marking (see declaration of conformi) ²⁾ To UK RoHS instructions				
Degree of protection	IP65				
	IP67				
Note on degree of protection	In mounted state				

Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/... → Support/Downloads.

Dimensions L1 L2 L4 L3

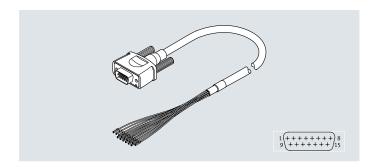
Download CAD data → www.festo.com

	D1 Ø	D2 Ø	D3	L1	L2	L3	L4	=61
NEBC-F12G8-KH-0.25-N-S-F12G8	8	15	M12x1	250	50	50	3	14
NEBC-F12G8-KH-0.5-N-S-F12G8	1			500				
NEBC-F12G8-KH-1-N-S-F12G8	1			1000				
NEBC-F12G8-KH-1.5-N-S-F12G8	1			1500				
NEBC-F12G8-KH-2-N-S-F12G8	1			2000				
NEBC-F12G8-KH-3-N-S-F12G8				3000				

Ordering data									
	Cable length	Weight	Part no.	Туре					
	[m]	[g]							
Hybrid plug, M12x1, with Festo specific coding, 8-pin	0.25	47	564189	NEBC-F12G8-KH-0.25-N-S-F12G8					
	0.5	69	564190	NEBC-F12G8-KH-0.5-N-S-F12G8					
	1	113	564191	NEBC-F12G8-KH-1-N-S-F12G8					
	1.5	154	564192	NEBC-F12G8-KH-1.5-N-S-F12G8					
	2	200	576015	NEBC-F12G8-KH-2-N-S-F12G8					
	3	280	576636	NEBC-F12G8-KH-3-N-S-F12G8					

Connecting cable NEBC-S1H15

- Sub-D connecting cable 15-pin
- Cable lengths 1 m, 2.5 m, 5 m and 10 m



General technical data	
Conforms to standard	DIN 47100
Cable identification	Without inscription label holder

Technical data – Electrical connection 1					
Function	Field device side				
Connection type	Plug				
Cable outlet	Straight				
Design	Rectangular				
Connection technology	Sub-D				
Number of pins/wires	15				
Assigned pins/wires	15				
Type of mounting	2x screw 4-40 UNC				

Technical data – Electrical connection 2					
Function	Controller side				
Connection type	Cable				
Connection technology	Open end				
Wire ends	Wire end sleeve				
Number of pins/wires	15				
Assigned pins/wires	15				

Technical data – Electrics		
Nominal operating voltage	[V DC]	24
Operating voltage range	[V DC]	030
Pollution degree		3

Technical data – Cable					
Cable diameter	[mm]	6.6			
Cable characteristic		Suitable for energy chains			
Bending radius, fixed cable	[mm]	≥33			
installation					
Cable composition	[mm ²]	18x0.14			
Nominal conductor cross section	[mm ²]	0.14			

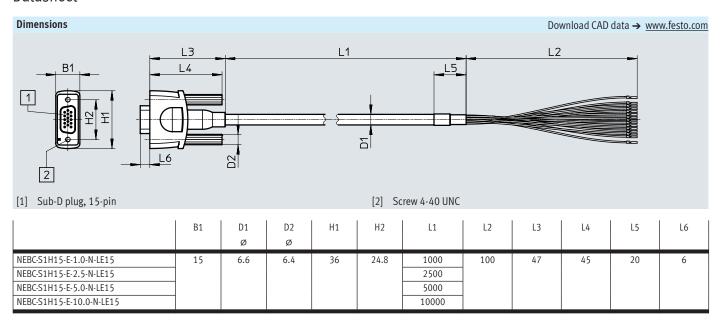
Materials					
Cable sheath	TPE-U(PUR)				
Cable sheath colour	Grey				
Note on materials	RoHS-compliant				
PWIS conformity	VDMA24364-B2-L				

Operating and environmental conditions					
Ambient temperature [°C]	-30 +80				
Ambient temperature with [°C]	-30 +80				
flexible cable installation					
CE marking (see declaration of conformity) ¹	To EU RoHS Directive				
UKCA marking (see declaration of conformi	1 ¹⁾ To UK RoHS instructions				
Degree of protection	IP50				
Note on degree of protection	In mounted state				

 $^{1) \}quad \text{Additional information: www.festo.com/catalogue/...} \rightarrow \text{Support/Downloads.}$

Circuitry (plug view)							
	Pin	Wire colour ¹⁾					
	1	WH	Open end				
1(+++++++)8	2	BN	Open end				
9/++++++/15	3	GN	Open end				
	4	YE	Open end				
	5	GY	Open end				
	6	PK	Open end				
	7	BU	Open end				
	8	RD	Open end				
	9	ВК	Open end				
	10	VT	Open end				
	11	GY PK	Open end				
	12	RD BU	Open end				
	13	GN WH	Open end				
	14	BN GN	Open end				
	15	YE WH	Open end				

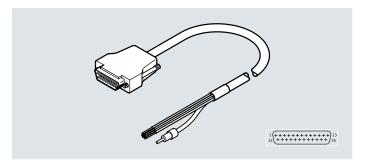
¹⁾ To IEC 757



Ordering data				
Electrical connection 1	Electrical connection 2	Cable length [m]	Part no.	Туре
		[m]		
Straight plug, Sub-D, 15-pin	Open cable end	1	2307459	NEBC-S1H15-E-1.0-N-LE15
		2.5 2052917 NEBC-S1H15-E-2.5-N-LE	NEBC-S1H15-E-2.5-N-LE15	
		5	2052918	NEBC-S1H15-E-5.0-N-LE15
		10	2052919	NEBC-S1H15-E-10.0-N-LE15

Connecting cable NEBC-S1G25

- Sub-D connecting cable, 25-pin
- Cable lengths 1 m, 2 m, 2.5 m, 3.2 m and 5 m



General technical data			
Туре	NEBCS1G25	NEBCLE25	NEBCLE26
Cable identification	Without inscription label holder	-	Without inscription label holder
Mounting position	_	_	Anv

Technical data – Electrical connection 1				
Туре	NEBCS1G25	NEBCLE25	NEBCLE26	
Function	Field device side	-	Field device side	
Connection type	Plug	Plug	Plug	
Cable outlet	Straight	Straight	Straight	
Design	Rectangular	-	Rectangular	
Connection technology	Sub-D	Sub-D	Sub-D	
Number of pins/wires	25	25	25	
Assigned pins/wires	25	-	25	
Type of mounting	2x screw 4-40 UNC	-	2x screw 4-40 UNC	

Technical data – Electrical connection 2					
Туре	NEBCS1G25	NEBCLE25	NEBCLE26		
Function	Controller side	-	Controller side		
Connection type	Socket	Cable	Cable		
Cable outlet	Straight	_	_		
Design	Rectangular	_	_		
Connection technology	Sub-D	Open end	Open end		
Wire ends	-	-	Wire end sleeve		
			Pin terminal		
Number of pins/wires	25	25	26		
Assigned pins/wires	25	-	26		
Type of mounting	2x screw 4-40 UNC	-	_		

Technical data – Electrics	Technical data – Electrics					
Туре		NEBCS1G25	NEBCLE25	NEBCLE26		
Nominal operating voltage	[V DC]	24	_	24		
Operating voltage range	[V DC]	-	-	0 30		
Current rating	[A]	-	-	3.9		
Acceptable current load at 40°C	[A]	1	-	3.9		
Surge resistance	[kV]	-	-	0.8		
Shielding		-	-	Yes		

Technical data – Cable				
Туре		NEBCS1G25	NEBCLE25	NEBCLE26
Cable diameter	[mm]	7	7	10.8
Cable diameter tolerance	[mm]	-	-	±0.2
Cable characteristic		Standard	-	Standard
Bending radius, fixed cable	[mm]	-	-	≥220
installation				
Minimum cable bending radius	[mm]	_	_	220
Cable test conditions		-	-	Bending strength: to Festo standard
Cable composition	[mm ²]	Shielded	Shielded	5x(2x0.25) + 16x0.25
Nominal conductor cross section	[mm ²]	-	-	0.25
Connection cross section	[mm ²]	-	-	0.25

Materials	Materials					
Туре	NEBCS1G25	NEBCLE25	NEBCLE26			
Housing	-	-	Die-cast zinc			
Housing colour	Grey	Grey	-			
Pin contacts	-	-	Tin-plated copper alloy			
			Nickel-plated and gold-plated			
Cable sheath	PVC	-	PVC			
Cable sheath colour	Grey	Grey	Grey			
Insulating sheath	-	-	PVC			
Note on materials	RoHS-compliant	RoHS-compliant	RoHS-compliant			
PWIS conformity	VDMA24364 zone III	VDMA24364 zone III	VDMA24364-B2-L			

Operating and environmental conditions	Operating and environmental conditions					
Туре	NEBCS1G25	NEBCLE25	NEBCLE26			
Ambient temperature [°C]	0 +70	-	-30 +80			
Ambient temperature with [°C]	-	-	-5 +80			
flexible cable installation						
Corrosion resistance class CRC ¹⁾	0	0	0			
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive	To EU RoHS Directive	To EU RoHS Directive			
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions	To UK RoHS instructions	To UK RoHS instructions			
Degree of protection	IP40	IP40	IP20			
Note on degree of protection	In mounted state	In mounted state	In mounted state			

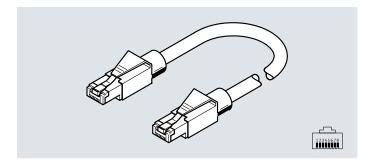
¹⁾ Additional information: www.festo.com/x/topic/kbk

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

Ordering data						
Electrical connection 1	Electrical connection 2		Cable length [m]	Weight [g]	Part no.	Туре
Straight plug, Sub-D, 25-pin	Straight socket, Sub-D	25-pin	1	-	8001374	NEBC-S1G25-K-1.0-N-S1G25
			2	-	8001375	NEBC-S1G25-K-2.0-N-S1G25
			5	-	8001376	NEBC-S1G25-K-5.0-N-S1G25
	Open cable end	25-wire	3.2	-	8001373	NEBC-S1G25-K-3.2-N-LE25
		26-wire	2.5	570	552254	NEBC-S1G25-K-2.5-N-LE26

Connecting cable NEBC-R3

- RJ45 connecting cable
- $\bullet \;$ Cable length 0.2 m and 1 m
- Ethernet-compatible



General technical data				
Туре	NEBC-R3G4	NEBC-R3G8		
Transmission characteristics	In accordance with category 5, EN 50173, class D	-		
	In accordance with category 5, ISO/IEC 11801, class D	-		
Ethernet cable specification	Type: CAT.5	-		
Cable identification	With inscription label holder	Without inscription label holder		
Contact durability	50	-		

Technical data – Electrical connection 1				
Туре	NEBC-R3G4	NEBC-R3G8		
Function	Field device side	Field device side		
Connection type	Plug	Plug		
Cable outlet	Straight	Straight		
Design	Rectangular	Rectangular		
Connection technology	RJ45 to IEC 60603-7-3	RJ45		
Number of pins/wires	8	8		
Assigned pins/wires	4	8		
Type of mounting	Snap-locking	=		

Technical data – Electrical connection 2				
Туре	NEBC-R3G4	NEBC-R3G8		
Function	Controller side	Controller side		
Connection type	Plug	Plug		
Cable outlet	Straight	Straight		
Design	Rectangular	Rectangular		
Connection technology	RJ45 to IEC 60603-7-3	RJ45		
Number of pins/wires	8	8		
Assigned pins/wires	4	8		
Type of mounting	Snap-locking	-		

Technical data – Electrics	Technical data – Electrics				
Туре		NEBC-R3G4	NEBC-R3G8		
Operating voltage range	[V DC]	030	0 50		
Surge resistance	[kV]	0.8	2.5		
Note on surge resistance		Due to screening, a leakage flow of up to 20 mA is permissible.	-		
Acceptable current load at 40°C	[A]	1.3	1.5		
Pollution degree		3	2		
Shielding		-	Yes		

Technical data – Cable			
Туре		NEBC-R3G4	NEBC-R3G8
Cable diameter	[mm]	6.7	5
Cable diameter tolerance	[mm]	±0.3	
Cable characteristic		Suitable for energy chains	Standard
Bending radius, fixed cable	[mm]	≥40	24
installation			
Bending radius, flexible cable	[mm]	≥100	_
installation			
Cable test conditions		Energy chain: 2 million cycles, bending radius 100 mm	_
		Bending strength: to Festo standard	_
		Test conditions on request	Test conditions on request
Cable composition	[mm ²]	4 x 0.34 (star quad)	4 x 2 x 0.16
Nominal conductor cross section	[mm ²]	0.34	0.16
		AWG22	-
Special characteristics		Oil-resistant	-

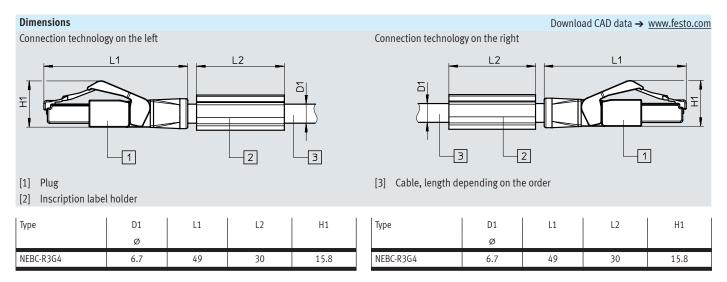
Materials		
Туре	NEBC-R3G4	NEBC-R3G8
Housing	PA, nickel-plated brass	PVC
Housing colour	Black	Grey
Pin contacts	Gold-plated brass	-
Cable sheath	TPE-U(PUR)	PVC
Cable sheath colour	Green	Grey
Insulating sheath	PE	PVC
Note on materials	RoHS-compliant	RoHS-compliant
PWIS conformity	VDMA24364-B2-L	VDMA24364-B2-L

Operating and environmental conditions				
Туре	NEBC-R3G4	NEBC-R3G8		
Ambient temperature [°C]	−25 +80	-20 +60		
Ambient temperature with [°C]	-20 +60	-		
flexible cable installation				
Corrosion resistance class CRC ¹⁾	1	0		
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive	To EU RoHS Directive		
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions	To UK RoHS instructions		
Degree of protection	IP20	IP20		
Note on degree of protection	-	In mounted state		

Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/... → Support/Downloads.

Circuitry (plug view)				
	Pin	Wire colour ¹⁾	Pin	
NEBC-R3G4				
	1	YE	1	
	2	OG	2	
12345678	3	WH	3	12345678
	4	-	4	
	5	-	5	
	6	BU	6	
	7	-	7	
	8	-	8	

1) To IEC 757

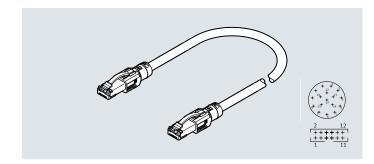


Ordering data					
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Туре
		[m]	[g]		
4 assigned pins/wires					
Straight plug, RJ45	Straight plug, RJ45	1	89.5	8040455	NEBC-R3G4-ES-1-S-R3G4-ET
8 assigned pins/wires					
Straight plug, RJ45	Straight plug, RJ45	0.2	15	★ 8082383	NEBC-R3G8-KS-0.2-N-S-R3G8-ET

Ordering data – Accessor	rdering data – Accessories						
	Electrical connection 1	Electrical connection 2	Part no.	Туре			
Control cabinet through-	Control cabinet through-feed						
	Straight socket, 4-pin, M12x1, D-coded	Angled socket, 8-pin, RJ45	8040457	NEFU-D12G4-R3DW4			

Connecting cable NEBC-R3Z12G20

- Connecting cable RJ45 plug and socket strip
- Cable length 5 m, 10 m and 15 m
- Suitable for operator unit CDSA



General technical data		
Cable identification	Without inscription label holder	
Technical data – Electrical connect	ion 1	
Function	Field device side	
Connection type	Plug and socket strip	
Cable outlet	Straight	
Design	Rectangular	
Connection technology	RJ45 and socket strip 12 pins, 2 rows	
Number of pins/wires	20	
Assigned pins/wires	14	
Type of mounting	Screw-type lock	

Technical data – Electrical connection 2		
Function	Controller side	
Connection type	Hybrid plug	
Cable outlet	Straight	
Design	Round	
Connection technology	-	
Number of pins/wires	17	
Assigned pins/wires	14	
Type of mounting	Threaded	

Technical data – Electrics		
Nominal operating voltage	[V DC]	24
Operating voltage range	[V DC]	0 24
Surge resistance	[kV]	6
Acceptable current load at 40°C	[A]	11.7
Shielding		No
Pollution degree		3

Connecting cables for controllers, RJ45 plug and socket strip

Technical data – Cable		
Cable diameter	[mm]	8
Cable diameter tolerance	[mm]	#1
Cable characteristic		Standard
Bending radius, fixed cable	[mm]	≥130
installation		
Bending radius, flexible cable	[mm]	≥130
installation		
Cable test conditions		Test conditions on request
Cable composition	[mm ²]	4x(1x0.128) + 10x0.128
Nominal conductor cross section	[mm ²]	0.128

Materials	
Cable sheath	TPE-U(PUR)
Cable sheath colour	Red
Insulating sheath	PP
Note on materials	RoHS-compliant
PWIS conformity	VDMA24364-B2-L

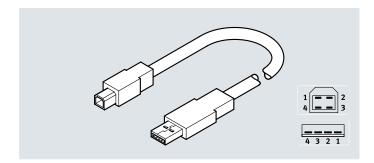
Operating and environmental conditions			
Ambient temperature	[°C]	0 +40	
Ambient temperature with	[°C]	0 +40	
flexible cable installation			
Storage temperature	[°C]	-20 +70	
Corrosion resistance class CRC ¹⁾		0	
CE marking (see declaration of conformity) ²⁾		To EU Low Voltage Directive	
Degree of protection		IP65	
Note on degree of protection		In mounted state	

Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/...→Support/Downloads.

Ordering data					
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Туре
		[m]	[g]		
RJ45 and socket strip 12 pins, 2 rows	Hybrid plug	5	680	8126916	NEBC-R3Z12G20-KH-5-N-SBS-RSG17-ET-S1
		10	1300	8126917	NEBC-R3Z12G20-KH-10-N-SBS-RSG17-ET-S1
		15	1900	8126918	NEBC-R3Z12G20-KH-15-N-SBS-RSG17-ET-S1

Connecting cable NEBC-U1G4

- USB 2.0 connecting cable
- Type A and type B
- Cable length 1.8 m
- Suitable for CMMPAS
- Backwards compatible to USB 1.1



General technical data	
Cable identification	Without inscription label holder
Mounting position	Any

Technical data – Electrical connection 1		
Function	Field device side	
Connection type	Plug	
Cable outlet	Straight	
Design	Rectangular	
Connection technology	USB 2.0 type B	
Number of pins/wires	4	
Assigned pins/wires	4	

Technical data – Electrical connection 2		
Function	Controller side	
Connection type	Plug	
Cable outlet	Straight	
Design	Rectangular	
Connection technology	USB 2.0 type A	
Number of pins/wires	4	
Assigned pins/wires	4	

Technical data – Cable

Cable characteristic Standard	Cable characteristic	l Standard
---------------------------------	----------------------	------------

Materials	
Note on materials	RoHS-compliant
PWIS conformity	VDMA24364 zone III

Operating and environmental conditions	
Corrosion resistance class CRC ¹⁾	0
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions

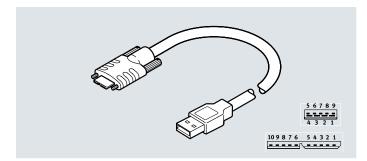
- Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/...

 Support/Downloads.

Ordering data				
Electrical connection 1	Electrical connection 2	Cable length	Part no.	Туре
		[m]		
Straight plug, USB 2.0 Type A, 4-pin	Straight plug, USB 2.0 Type B, 4-pin	1.8	1501332	NEBC-U1G4-K-1.8-N-U2G4

Connecting cable NEBC-U7G10

- USB 3.0 connecting cable
- Type B micro to type A
- Cable length 5 m, 15 m, 30 m



General technical data			
Туре	NEBC-U7G10-KS	NEBC-U7G10-EH	
Cable identification	Without inscription label holder	Without inscription label holder	

Technical data – Electrical connection 1		
Function	Field device side	
Connection type	Plug	
Cable outlet	Straight	
Design	Rectangular	
Connection technology	USB 3.0 type B micro	
Number of pins/wires	10	
Assigned pins/wires	9	
Type of mounting	2x screws M2x0.4	

Technical data – Electrical connection 2			
Туре	NEBC-U7G10-KS	NEBC-U7G10-EH	
Function	Controller side		
Connection type	Plug		
Cable outlet	Straight		
Design	Rectangular		
Connection technology	USB 3.0 type A		
Number of pins/wires	9		
Assigned pins/wires	9		
Type of mounting	-	Plug-in	

Technical data – Electrics			
Туре		NEBC-U7G10-KS	NEBC-U7G10-EH
Operating voltage range (UB)	[V DC]	0 30	4.75 5.25
Nominal operating voltage	[V DC]	-	5
(Unom)			
Surge resistance	[kV]	0.3	_
Acceptable current load at 40°C	[A]	1.8	0.9
Pollution degree		1	1

Technical data – Cable			
Туре		NEBC-U7G10-KS	NEBC-U7G10-EH
Cable diameter	[mm]	6.2	3.1
Cable diameter tolerance	[mm]	_	±0.2
Cable characteristic		Standard	Suitable for energy chains
Bending radius, fixed cable	[mm]	≥125	≥20
installation			
Bending radius, flexible cable	[mm]	≥125	≥10
installation			
Cable test conditions		Test conditions on request	-
Cable composition	[mm ²]	2xAWG22 +	_
		2x(2xAWG26)C +	
		1x(2xAWG28)	
		Shielded	_
Nominal conductor cross section	[mm ²]	0.08	-
	[mm ²]	0.128	_
	[mm ²]	0.324	-

Materials		
Туре	NEBC-U7G10-KS	NEBC-U7G10-EH
Cable sheath	PVC	PVC
Cable sheath colour	Black	Black
Housing	-	Anodised wrought aluminium alloy
Housing colour	-	Silver
Note on materials	Halogen-free	-
	RoHS-compliant	RoHS-compliant
PWIS conformity	VDMA24364-B2-L	VDMA24364 zone III

Operating and environmental conditions				
Туре	NEBC-U7G10-KS	NEBC-U7G10-EH		
Ambient temperature [°C]	-20 +80	-5 +50		
Ambient temperature with [°C]	-20 +80	−5 +50		
flexible cable installation				
Storage temperature [°C]	-	-40 +90		
Corrosion resistance class CRC ¹⁾	0	0		
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive	To EU EMC Directive		
Degree of protection	IP20	IP20		
Note on degree of protection	In mounted state	In mounted state		

Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/... → Support/Downloads.

Circuitry (plug view)				
	Pin	Wire colour ¹⁾	Pin	
109876 54321	1	RD	1	5 6 7 8 9
	2	WH	2	
	3	GN	3	4 3 2 1
	4	n.c	-	4 3 2 1
	5	ВК	4	
	6	BU	5	
	7	YE	6	
	8	GND-DRAIN	7	
	9	VT	8	
	10	OG	9	
	Housing	Shielding	Housing	

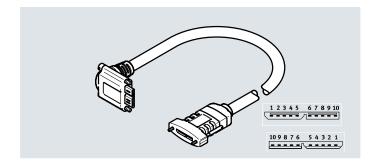
¹⁾ To IEC 757

Ordering data						
Electrical connection 1	Electrical connection 2	Cable characteristic	Cable length	Weight	Part no.	Туре
			[m]	[g]		
USB 3.0 type B	USB 3.0 type A	Standard	5	422	8072582	NEBC-U7G10-KS-5-N-S-U5G9
		Suitable for energy chains	15	444	8093271	NEBC-U7G10-EH-15-N-S-U5G9
		Suitable for energy chains	30	645	8093272	NEBC-U7G10-EH-30-N-S-U5G9

Ordering data – Accessories					
			Part no.	Туре	
	Inscription labels for attachment to a cable (type KS) with diameter 5 8 mm	11x20 mm	33361	KM-BZ	

Connecting cable NEBC-U7W10

- USB 3.0 connecting cable
- Type B micro to type B micro
- Cable length 0.45 m



General technical data	
Transmission characteristics	According to system communication AP
Cable identification	Without inscription label holder

Technical data – Electrical connection 1			
Function	Field device side		
Connection type	Plug		
Cable outlet	Angled		
Design	Rectangular		
Connection technology	USB 3.0 type B micro		
Number of pins/wires	10		
Assigned pins/wires	9		
Type of mounting	2x screws M2x0.4		

Technical data – Electrical connection 2			
Function	Controller side		
Connection type	Socket		
Cable outlet	Straight		
Design	Rectangular		
Connection technology	USB 3.0 type B micro		
Number of pins/wires	10		
Assigned pins/wires	9		
Type of mounting	2x threaded bush M2x0.4		

Technical data – Electrics		
Operating voltage range	[V DC]	0 30
	[V AC]	0 30
Surge resistance	[kV]	
Acceptable current load at 40°C	[A]	1.4
Shielding		Yes
Pollution degree		1

Technical data – Cable		
Cable diameter	[mm]	6.2
Cable characteristic		Standard
Bending radius, fixed cable	[mm]	≥62
installation		
Bending radius, flexible cable	[mm]	≥62
installation		
Cable test conditions		Test conditions on request
Cable composition	[mm ²]	2xAWG22 + 2x(2xAWG26)C + 1x(2xAWG28)
Nominal conductor cross section	[mm ²]	0.32

Materials	
Cable sheath	PVC
Cable sheath colour	Black
Housing	PVC
Housing colour	Black
Note on materials	RoHS-compliant RoHS-compliant
PWIS conformity	VDMA24364 zone III

Operating and environmental conditions				
Ambient temperature	[°C]	-10 +80		
Ambient temperature with	[°C]	10 +80		
flexible cable installation				
Storage temperature	[°C]	-10 +80		
Corrosion resistance class CRC ¹⁾		0		
Degree of protection		IP20		
Note on degree of protection		In mounted state		

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

Circuitry (plug view)

Circuitry (plug view)	Pin	Wire colour ¹⁾	Pin	
109876 54321	1	RD	1	1 2 3 4 5 6 7 8 9 10
	2	WH	2	
	3	GN	3	
	4	n.c	-	
	5	ВК	4	
	6	BU	5	
	7	YE	6	
	8	Shielding	7	
	9	VT	8	
	10	OG	9	
	Shielding	Shielding	Shielding	

¹⁾ To IEC 757

Ordering data						
Electrical connection 1	Electrical connection 2	Cable characteristic	Cable length [m]	Weight [g]	Part no.	Туре
USB 3.0 type B	USB 3.0 type B	Standard	0.45	35	8093270	NEBC-U7W10-KS-0.5-N-SB-U7G10

Connecting cable NEBC-H25G8

- Connecting cable, 8-pin
- Cable length 4.93 m



General technical data				
Cable identification	Without inscription label holder			

Technical data – Electrical connection 1				
Function	Field device side			
Connection type	Socket			
Cable outlet	Straight			
Design	Round			
Connection technology	HR25			
Number of pins/wires	8			
Assigned pins/wires	4			
Type of mounting	Screw-type lock			

Technical data – Electrical connection 2					
Function	Controller side				
Connection type	Cable				
Connection technology	Open end				
Wire ends	Cut off bluntly				
Number of pins/wires	4				
Assigned pins/wires	4				

Technical data – Electrics				
Operating voltage range	[V DC]	0 42		
	[V AC]	030		
Surge resistance	[kV]	3		
Acceptable current load at 40°C	[A]			
Shielding		Yes		
Pollution degree		1		

Technical data – Cable					
Cable diameter	[mm]	4.6			
Cable characteristic		Suitable for energy chains			
Bending radius, fixed cable	[mm]	≥18.4			
installation					
Bending radius, flexible cable	[mm]	≥34.5			
installation					
Cable test conditions		Test conditions on request			
Cable composition	[mm ²]	4x0.14			
Nominal conductor cross section	[mm ²]	0.14			

Materials	Materials					
Housing	Nickel-plated brass					
Housing colour	Silver					
Cable sheath	PVC					
Cable sheath colour	Grey					
Insulating sheath	PPS					
Note on materials	RoHS-compliant					
PWIS conformity	VDMA24364 zone III					

Operating and environmental conditions				
Ambient temperature	[°C]	-10 +60		
Ambient temperature with	[°C]	_5 +60		
flexible cable installation				
Storage temperature	[°C]	-10 +60		
Corrosion resistance class CRC ¹⁾		0		
CE marking (see declaration of conformity) ²⁾		To EU EMC Directive		
		To EU RoHS Directive		
Degree of protection		Depending on the connection block		
Note on degree of protection		Depending on the connection block		

- Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/... → Support/Downloads.

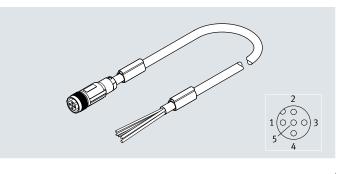
Circuitry (plug view)						
	Pin	Wire colour ¹⁾				
	1	-	-			
	2	GN	Open end			
2(00)4	3	-	_			
[(000)]	4	BN	Open end			
5 6 6 7	5	YE	Open end			
	6	1	-			
	7	WH	Open end			
	8	-	_			

1) To IEC 757

Ordering data					
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Туре
		[m]	[g]		
Straight socket, HR25	Open end	4.93	160	8132476	NEBC-H25G8-ES-5-N-B-LE4

Connecting cable NEBC-M12G5

- M12 connecting cable, 5-pin
- A-coded
- Cable length 5 m
- Suitable for CANopen and DeviceNet



General technical data	
Protocol	CANopen
	DeviceNet
Cable identification	With 2x inscription label holders
Contact durability	100

Technical data – Electrical connection 1		
Function	Field device side	
Connection type	Socket	
Cable outlet	Straight	
Design	Round	
Connection technology	M12x1, A-coded to EN 61076-2-101	
Number of pins/wires	5	
Assigned pins/wires	5	
Type of mounting	Screw-type lock	

Technical data – Electrical connection 2		
Function	Controller side	
Connection type	Cable	
Connection technology	Open end	
Wire ends	Stripped	
Number of pins/wires	5	
Assigned pins/wires	5	

Technical data – Electrics		
Operating voltage range	[V DC]	0 30
Surge resistance	[kV]	2
Acceptable current load at 40°C	[A]	4
Pollution degree		3

Technical data – Cable			
Cable diameter	[mm]	6.7	
Cable diameter tolerance	[mm]	±0.3	
Cable characteristic		Suitable for energy chains	
Bending radius, fixed cable	[mm]	≥35	
installation			
Bending radius, flexible cable	[mm]	≥70	
installation			
Cable test conditions		Test conditions on request	
Cable composition	[mm ²]	(2x0.34) + (2x0.25) + 0.34	
		Shielded	
Nominal conductor cross section	[mm ²]	0.25	0.34

Materials	
Housing	TPE-U(PUR) reinforced
Housing colour	Black
Screw-type lock	Nickel-plated die-cast zinc
Seals	NBR
Pin contacts	Nickel-plated and gold-plated brass
Cable sheath	TPE-U(PUR)
Cable sheath colour	Reddish purple
Insulating sheath	PE PE
Note on materials	RoHS-compliant
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions	Operating and environmental conditions			
Ambient temperature [°C]	-25 +80			
Ambient temperature with [°C]	-20 +60			
flexible cable installation				
CE marking (see declaration of conformity) ¹⁾	To EU RoHS Directive			
UKCA marking (see declaration of conformity) ¹⁾	To UK RoHS instructions			
Degree of protection	IP65			
	IP67			
Note on degree of protection	In mounted state			

 $^{1) \}quad \text{Additional information: www.festo.com/catalogue/...} \rightarrow \text{Support/Downloads}.$

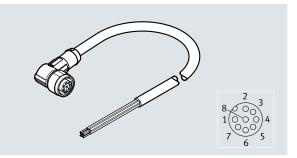
Circuitry (plug view)				
	Pin	Wire colour ¹⁾		
2	1	-	Open end	
	2	RD	Open end	
	3	ВК	Open end	
1(0,00)3	4	WH	Open end	
_× o /	5	BU	Open end	
5 0				
4				

¹⁾ To IEC 757

Ordering data					
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Туре
		[m]	[g]		
Straight socket, M12x1, 5-pin, A-coded to EN 61076-2-101	Open end	5	310.7	8074191	NEBC-M12G5-ES-5-LE5-CO

Connecting cable NEBC-M12G8 NEBC-M12W8

- M12 connecting cable, 8-pin
- A-coded
- Cable length 2 m, 5 m, 10 m and 15 m
- Suitable for controllers with degree of protection IP65/67.



General technical data	
Based on standard	EN 61076-2-101
Cable identification	Without inscription label holder

Technical data – Electrical connec	tion 1	
Туре	NEBC-M12G8	NEBC-M12W8
Function	Field device side	Field device side
Connection type	Socket	Socket
Cable outlet	Straight	Angled
Design	Round	Round
Connection technology	M12x1, A-coded to EN 61076-2-101	M12x1, A-coded to EN 61076-2-101
Number of pins/wires	8	8
Assigned pins/wires	8	8
Type of mounting	Screw-type lock	Screw-type lock

Technical data – Electrical connection 2			
Туре	NEBCM12G8	NEBCLE8	
Function	Controller side	Controller side	
Connection type	Plug	Cable	
Cable outlet	Straight	-	
Design	Round	-	
Connection technology	M12x1, A-coded to EN 61076-2-101	Open end	
Wire ends	-	Stripped	
Number of pins/wires	8	8	
Assigned pins/wires	8	8	

Technical data – Electrics		
Operating voltage range	[V DC]	0 30
Operating voltage range	[V AC]	030
Surge resistance	[kV]	0.8
Acceptable current load at 40°C	[A]	2
Pollution degree		3
Shielding		No

Technical data – Cable		
Cable diameter	[mm]	6
Cable diameter tolerance	[mm]	±0.2
Cable characteristic		Suitable for energy chains
Bending radius, fixed cable	[mm]	≥30
installation		
Bending radius, flexible cable	[mm]	≥30
installation		
Cable test conditions		Test conditions on request
Cable composition	[mm ²]	8x0.25
Nominal conductor cross section	[mm ²]	0.25

Materials	
Housing	TPE-U(PUR)
Housing colour	Black
Screw-type lock	Nickel-plated die-cast zinc
Seals	NBR
Pin contacts	Brass
Cable sheath	TPE-U(PUR)
Cable sheath colour	Silver-grey
Insulating sheath	PP
Note on materials	RoHS-compliant
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions				
Ambient temperature [°C]	−25 +90			
Ambient temperature with [°C]	-25 +90			
flexible cable installation				
Corrosion resistance class CRC ¹⁾	2			
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive			
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS instructions			
Degree of protection	IP65			
	IP67			
Note on degree of protection	In mounted state			
Certification	c UL us - listed (OL)			
Certificate issuing authority	UL E474609			

- Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/...

 Support/Downloads.

Circuitry (plug view)				
	Pin	Wire colour ¹⁾	Pin	
Electrical connection, socket, M12x1, 8-pi	ı – plug, <i>N</i>	112x1, 8-pin		
2	1	-1	1	2
8,0003	2	=	2	3 - 8
	3	-	3	
1(0,00)4	4	-	4	<u> </u>
7 5	5	-	5	
6	6	-	6	6 '
	7	-	7	_
	8	-	8	
Electrical connection, socket, M12x1, 8-pi	ı – open c	able end		
2	1	WH	Open	end
3	2	BN	Open	end
8,00	3	GN	Open	end
1(0,00)4	4	YE	Open	end
700/5	5	GY		
/ 6 5	6	PK		
	7	BU		
	8	RD		

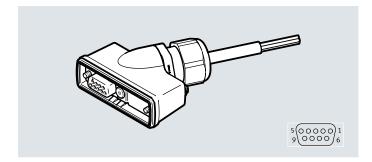
1) To IEC 757

Connecting cables for controllers, M12 socket, A-coded, 8-pin

Ordering data					
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Type
		[m]	[g]		
Straight socket,	Open end	2	105	8094480	NEBC-M12G8-E-2-N-B-LE8
M12x1, 8-pin, A-coded to EN 61076-2-101		5	249	8094477	NEBC-M12G8-E-5-N-B-LE8
		10	489	8094482	NEBC-M12G8-E-10-N-B-LE8
		15	729	8094475	NEBC-M12G8-E-15-N-B-LE8
	Straight plug,	2	112	8080782	NEBC-M12G8-E-2-N-M12G8
	M12x1, 8-pin,	5	256	8080783	NEBC-M12G8-E-5-N-M12G8
	A-coded to EN 61076-2-101	10	496	8080784	NEBC-M12G8-E-10-N-M12G8
		15	736	8080785	NEBC-M12G8-E-15-N-M12G8
Angled socket,	Open end	2	105	8094476	NEBC-M12W8-E-2-N-B-LE8
M12x1, 8-pin, A-coded to EN 61076-2-101		5	249	8094478	NEBC-M12W8-E-5-N-B-LE8
		10	489	8094481	NEBC-M12W8-E-10-N-B-LE8
		15	729	8094479	NEBC-M12W8-E-15-N-B-LE8
	Straight plug,	2	112	8080786	NEBC-M12W8-E-2-N-M12G8
	M12x1, 8-pin,	5	256	8080787	NEBC-M12W8-E-5-N-M12G8
	A-coded to EN 61076-2-101	10	496	8080788	NEBC-M12W8-E-10-N-M12G8
		15	736	8080789	NEBC-M12W8-E-15-N-M12G8

Connecting cable NEBC-S1WA9

- Sub-D connecting cable 9-pin
- Cable lengths 0.5 ... 20 m
- Suitable for valve terminal MPA-C



General technical data		
Protocol	I-Port	
Based on standard	DIN 47100	
Cable identification	Without inscription label holder	
Contact durability	50	

Technical data – Electrical connection 1		
Function	Field device side	
Connection type	Socket	
Cable outlet	Angled	
Design	Rectangular	
Connection technology	Sub-D	
Number of pins/wires	9	
Assigned pins/wires	5	
Type of mounting	2x screw 4-40 UNC	
	With seal	

Technical data – Electrical connection 2		
Function	Controller side	
Connection type	Cable	
Connection technology	Open end	
Number of pins/wires	5	

Technical data – Electrics	Technical data – Electrics		
Operating voltage range	[V DC]	0 30	
Acceptable current load at 40°C	[A]	5.2	
Protective earth connection		Not provided	
Pollution degree		3	

Technical data – Cable		
Cable diameter	[mm]	6.5
Cable diameter tolerance	[mm]	±0.1
Cable characteristic		Standard
Bending radius, fixed cable	[mm]	≥26
installation		
Bending radius, flexible cable	[mm]	≥78
installation		
Cable composition	[mm ²]	5x0.5
Nominal conductor cross section	[mm ²]	0.5
Special characteristics		Easy to clean

Materials	
Housing	Reinforced PA
Housing colour	Grey
Screws	Stainless steel
Pin contacts	Gold-plated bronze
Cable sheath	PVC
Cable sheath colour	Grey
Insulating sheath	PVC
Note on materials	RoHS-compliant
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions				
Ambient temperature [°C]	-5 +60			
Ambient temperature with [°C]	-5 +60			
flexible cable installation				
Storage temperature [°C]	-20 +40			
Corrosion resistance class CRC ¹⁾	3			
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive			
UKCA marking (see declaration of conformity	²⁾ To UK RoHS instructions			
Degree of protection	IP65			
	IP67			
	IP69K			
Note on degree of protection	In mounted state			

- Additional information: www.festo.com/x/topic/kbk
 Additional information: www.festo.com/catalogue/... → Support/Downloads.

Circuitry (socket view)								
	Pin	Wire colour ¹⁾						
5000001	1	ВК	Open end					
	2	GY	Open end					
	3	BU	Open end					
	4	WH	Open end					
	5	BN	Open end					
	6	n.c.	_					
	7	n.c.	_					
	8	n.c.	_					
	9	n.c.	_					

1) To IEC 757

Ordering data					
Electrical connection 1	Electrical connection 2	Cable length	Weight	Part no.	Туре
		[m]	[g]		
Straight socket, Sub-D, 9-pin	Open cable end	2.5	300	2376018	NEBC-C-S1WA9HS-K-2.5-N-B-LE5-PT-S10
		5	600	2376019	NEBC-C-S1WA9HS-K-5-N-B-LE5-PT-S10
		10	1120	2376020	NEBC-C-S1WA9HS-K-10-N-B-LE5-PT-S10
		0.5 20	-	4106124	NEBC-C-S1WA9HS-KN-B-LE5-PT-S10

Festo - Your Partner in Automation





1 Festo Inc.

5300 Explorer Drive Mississauga, ON L4W 5G4 Canada

Festo Customer Interaction Center

Tel: 1877 463 3786 Fax: 1877 393 3786



2 Festo Pneumatic

Av. Ceylán 3, Col. Tequesquináhuac 54020 Tlalnepantla, Estado de México

Multinational Contact Center

01 800 337 8669



3 Festo Corporation

1377 Motor Parkway Suite 310 Islandia, NY 11749



Regional Service Center

7777 Columbia Road Mason, OH 45040

Festo Customer Interaction Center

1 800 993 3786 1 800 963 3786 customer.service.us@festo.com

Connect with us









