

Connecting cables for valves, socket plug pattern H

FESTO



Type codes

001	Series
NEBV	Connecting cable for valves

002	Product version
	Standard
C	Easy-to-clean design

003	Connection technology left, field device side
A1	Socket type A, EN 175301-803
B2	Socket type B, industry standard, 11 mm
C1S	Socket type C, narrow design
H1	Socket connection pattern H
M8	Socket M8x1 A-coded, EN 61076-2-104
M12	Socket M12x1 A-coded, EN 61076-2-101
Z3	Socket connection pattern ZC, self-tapping screw
Z4	Socket connection pattern ZC, metric screw
S1	Sub-D socket
S7	Sub-D HD socket
Q7	Port pattern Q7 socket
HS	Socket connection pattern S
HP	Socket connection pattern HP

004	Cable outlet left
	None
G	Straight
W	Angled
WA	Angled 45°

005	Number of pins/wires on the left
2	2
3	3
4	4
8	8
9	9
15	15
25	25
37	37
44	44

006	Display
	None
F	LED signal status, AC
L	LED signal status, DC
N	LED switching state, NPN
P	LED switching state, PNP
U	LED, UC

007	Additional socket functions
	None
HL	Hood for MPA-L
HM	Hood for MPA-S
HS	With seal

008	Circuitry
	None
P	Protective circuit
R	Holding current reduction with integrated protective circuit

009	Cable characteristic
P	Basic
K	Standard
E	Suitable for energy chains
F	Food-safe to standard

010	Cable design
	Standard
D	Double cable
M	Alternative material
N	Leads

011	Cable length [m]
0.1	0.1
0.2	0.2
0.3	0.3
0.5	0.5
0.6	0.6
1	1
2	2
2.5	2.5
3	3
5	5
10	10

012	Cable identification
	With label holder
N	Without label holder

013	Connection technology right, controller side
LE	Open end
M8	Plug M8x1 A-coded, EN 61076-2-104
M12	Plug M12x1 A-coded, EN 61076-2-101
Z1	Port pattern ZB plug, self-tapping screw

014	Plug
	None
G	Straight
W	Angled

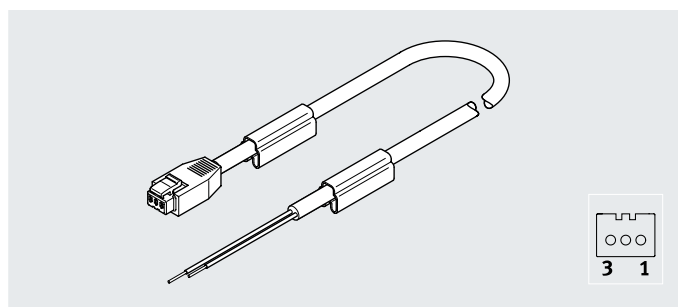
015	Number of pins/wires on the right
2	2
3	3
4	4
5	5
10	10
15	15
25	25
26	26
27	27
36	36
37	37
39	39
44	44

016	Degree of protection, electrical system
	Standard
S6	IP40
S1	IP65
S9	IP65/IP67
S10	IP65/IP67/IP69K

Datasheet

Connecting cable NEBV-H1G2

- Connecting cable
- Pre-assembled at one end
- For connecting valves
- Cable lengths 0.5 ... 5 m



General technical data

Cable designation	Without inscription label holder
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Technical data – Electrical connection 1

Function	Field device side
Connection type	Socket
Cable outlet	Straight
Design	Rectangular
Connection technology	Plug pattern H
Number of pins/cores	3
Assigned pins/cores	2
Type of mounting	Snap-locking

Technical data – Electrical connection 2

Type	NEBV-H1G2-KN	NEBV-H1G2-P
Function	Control side	
Connection type	2x single cores	Cable
Connection technology	Open end	
Number of pins/cores	2	
Assigned pins/cores	2	
Wire ends	Cut off bluntly	Cut off bluntly
	–	Stripped

Technical data – Electrics

Operating voltage range	[V DC]	0 ... 60
Current rating at 40 °C	[A]	3

Technical data – Cable

Type	NEBV-H1G2-KN	NEBV-H1G2-P
Cable diameter	[mm]	1.3
Cable structure	[mm ²]	2x0.14
Nominal conductor cross-section	[mm ²]	0.14
Cable characteristic	Standard	For static applications

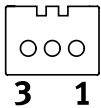
Materials

Type	NEBV-H1G2-KN	NEBV-H1G2-P
Housing	POM	POM
Housing colour	Black	Black
Pin contacts	Tin-plated copper alloy	Tin-plated copper alloy
Cable sheath	–	TPE-U(PUR)
Cable sheath colour	–	Grey
Insulating sheath	PVC	PVC
Note on materials	RoHS-compliant	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L	VDMA24364-B2-L

Datasheet

Operating and environmental conditions	
Ambient temperature [°C]	−5 ... +60
CE marking (see declaration of conformity) ¹⁾	To EU RoHS Directive
UKCA marking (see declaration of conformity) ¹⁾	To UK RoHS regulations
Degree of protection	IP40
Note on degree of protection	In mounted state

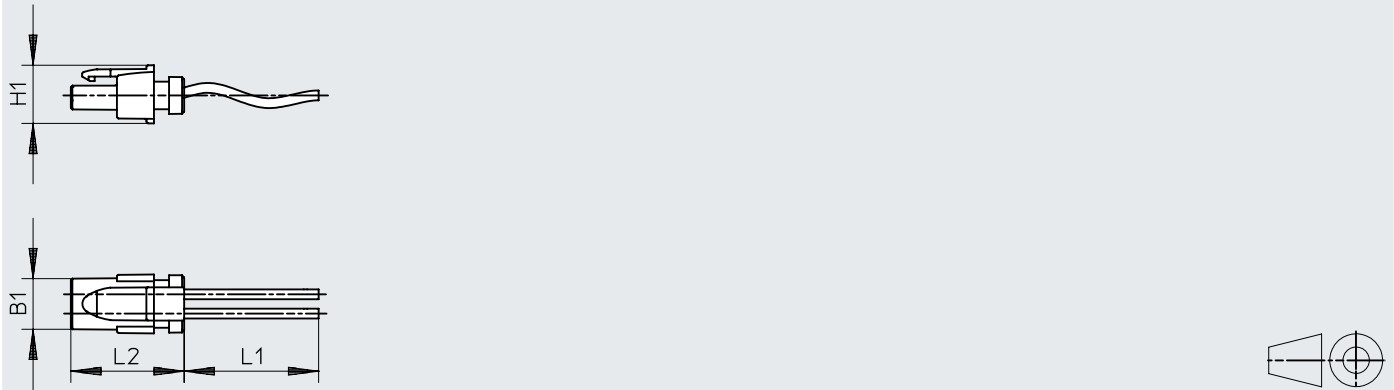
1) More information www.festo.com/catalogue/... → Support/Downloads.

Wiring (socket view)			
Electrical connection 1	Pin	Wire colour ¹⁾	Electrical connection 2
	1	RD	–
	3	BK	–

1) According to IEC 757

Dimensions

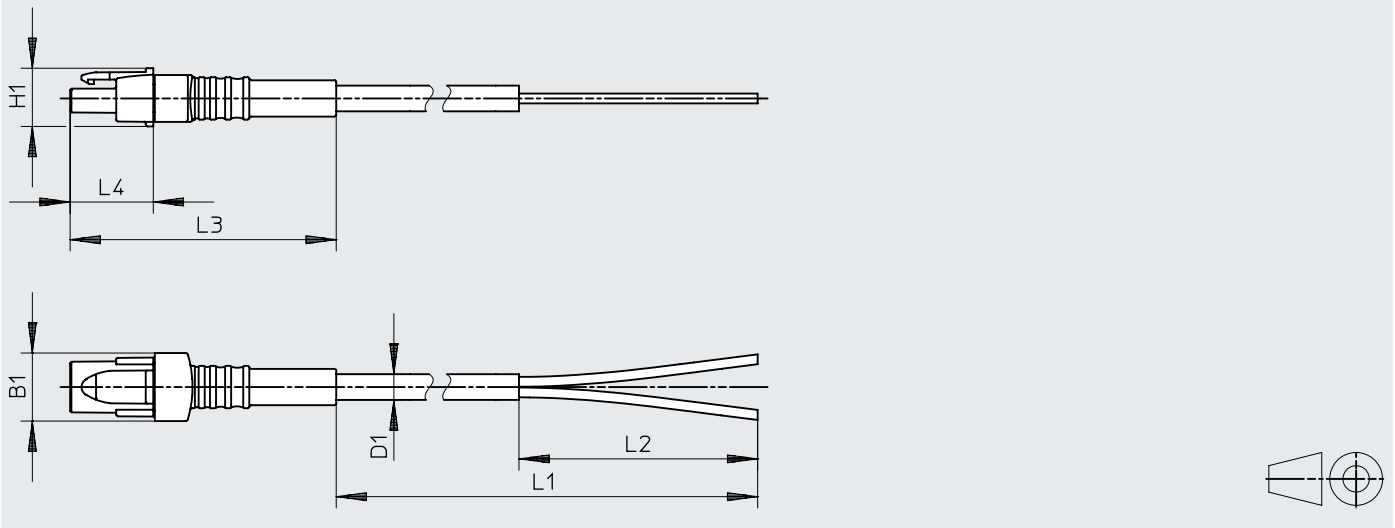
Download CAD data → www.festo.com



Type	B1	H1	L1	L2
NEBV-H1G2-KN-0.5-N-LE2	8.3	8.4	500	13
NEBV-H1G2-KN-1-N-LE2			1000	
NEBV-H1G2-KN-2.5-N-LE2			2500	
NEBV-H1G2-KN-5-N-LE2			5000	

Datasheet

Dimensions

Download CAD data → www.festo.com

Type	B1	D1 Ø	H1	L1	L2	L3	L4
NEBV-H1G2-P-0.5-N-LE2	9	3.4	8.4	500	50	33.2	9
NEBV-H1G2-P-1-N-LE2				1000			
NEBV-H1G2-P-2.5-N-LE2				2500			
NEBV-H1G2-P-5-N-LE2				5000			

Ordering data

Electrical connection 1	Electrical connection 2, connection type	Cable length [m]	Weight [g]	Part no.	Type
Straight socket, 2-pin	2x single cores	0.5	4	566654	NEBV-H1G2-KN-0.5-N-LE2
		1	7	566655	NEBV-H1G2-KN-1-N-LE2
		2.5	17	566656	NEBV-H1G2-KN-2.5-N-LE2
		5	31	566657	NEBV-H1G2-KN-5-N-LE2
	Cable, 2-core	0.5	8	566658	NEBV-H1G2-P-0.5-N-LE2
		1	16	566659	NEBV-H1G2-P-1-N-LE2
		2.5	35	566660	NEBV-H1G2-P-2.5-N-LE2
		5	70	566661	NEBV-H1G2-P-5-N-LE2

Ordering data – Modular product system

Ordering table		Conditions	Code	Enter code
Module no.	8003577			
Connecting cable	Connecting cables for valves		NEBV	NEBV
Connection technology left, field device side	Socket plug pattern H		-H1	-H1
Cable outlet left	Straight		G	G
Number of pins/cores on the left	2-pin		2	2
Display	None			
Wiring	None			
Cable characteristic	Basic	[1]	-P	
	Standard	[2]	-K	
Cable design	Standard			
	Flying leads		N	
Cable length	[m] 0.5		-0.5	
	[m] 1.0		-1	
	[m] 2.5		-2.5	
	[m] 5.0		-5	
Cable designation	Without inscription label holder		-N	-N
Connection technology on the right, controller side	Open end		-LE	-LE
Cable outlet right	None			
Number of pins/cores on the right	2-pin		2	2

[1] -P Only with cable design 'standard'

[2] -K Only with cable design 'flying leads'