

Connecting cables for valves, plug pattern ZC, self-tapping screw

Type codes

		NEBV	-	Z3	WA	2	L	-	R	-	E	-	5	-	N	-	LE	2	-	S1
Function																				
NEBV	Connecting cables for valves																			
Connection technology on left, field device side																				
Z3	Socket, plug pattern ZC, self-tapping screw																			
Cable outlet left																				
WA	Angled 45°																			
Number of pins/wires, left																				
2	2-pin																			
Display																				
L	Signal status LED																			
Circuitry																				
R	Holding current reduction with integrated protective circuit																			
Cable characteristic																				
E	Suitable for energy chains																			
Cable length																				
2,5	2.5 m																			
5	5 m																			
10	10 m																			
Cable designation																				
N	Without inscription label holder																			
Connection technology on right, controller side																				
LE	Open end																			
Number of pins/wires, right																				
2	2-wire																			
Degree of protection for electrics																				
S1	IP65																			

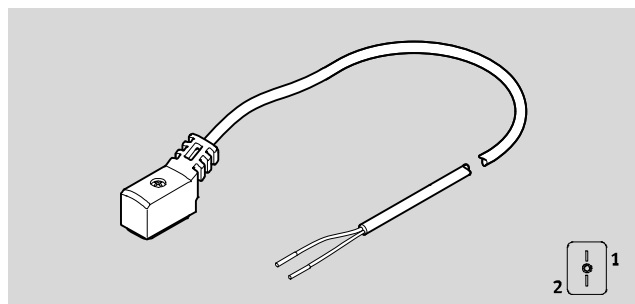
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Technical data

FESTO

Connecting cable NEBV-Z3WA2L

- Connecting cable
- Pre-assembled at both ends
- For connecting valves



General technical data	
Electrical connection 1	
Function	Field device side
Connection type	Socket
Cable outlet	Angled
Constructional design	Square
Connection technology	Plug pattern ZC, self-tapping screw
Number of pins/wires	2
Assigned pins/wires	2
Type of mounting	On solenoid valve via self-tapping screw
Signal status display	Yellow LED
Additional functions	Holding current reduction, protective circuit
Electrical connection 2	
Function	Controller side
Connection type	Cable
Connection technology	Open end
Number of pins/wires	2
Assigned pins/wires	2

Technical data – Electrical		
Nominal operating voltage	[V DC]	24
Operating voltage range	[V DC]	20.4 ... 26.4
Surge resistance	[kV]	2.4
Degree of contamination		3
Connection frequency		50
Protection against polarity reversal		Bipolar
Protective earth connection		Not present

Technical data – Cable		
Cable composition	[mm ²]	2 x 0.14
Cable diameter	[mm]	2.9
Cable diameter tolerance	[%]	±0.1
Conductor nominal cross section	[mm ²]	0.14
Cable characteristic		Suitable for use with energy chains
Cable test conditions		Test conditions on request
Bending radius, flexible cable installation	[mm]	≥29
Cable identification		Without inscription label holder


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Technical data

Materials	
Housing	TPE-U(PU)
Housing colour	Black
Insulating sheath	PP
Screws	Steel
Pin contacts	Tin-plated copper alloy
Cable sheath	TPE-U (PUR)
Cable sheath colour	Grey
Note on materials	RoHS compliant

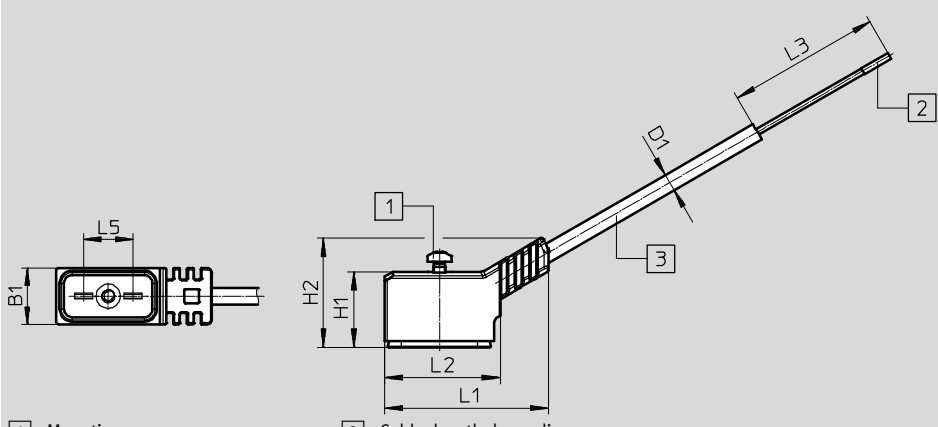
Operating and environmental conditions	
Ambient temperature [°C]	−10 ... +50
CE marking (see declaration of conformity)	To EU EMC Directive ¹⁾
Degree of protection	IP65
Note on degree of protection	In mounted state

- 1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com/sp → Certificates.
If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

Circuitry (socket/plug view)				
Electrical connection 1	Pin	Wire colour ¹⁾	Pin	Electrical connection 2
	1	BK	–	Open end
	2	BK	–	

- 1) To IEC 757

Dimensions



1 Mounting screw
2 Wire-end sleeve
3 Cable, length depending on order

Download CAD data → www.festo.com

Type	B1	D1 Ø	H1	H2	L1	L2	L3	L5
NEBV-Z3WA2L	9.7	2.9	12	17.5	26.9	19	50	8.4

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Technical data

Ordering data				
Electrical connection	Cable length [m]	Weight [g]	Part No.	Type
Angled socket, plug pattern ZC, self-tapping screw	2.5	50	8047676	NEBV-Z3WA2L-R-E-2.5-N-LE2-S1
	5	90	8047677	NEBV-Z3WA2L-R-E-5-N-LE2-S1
	10	170	8047675	NEBV-Z3WA2L-R-E-10-N-LE2-S1

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Ordering data – Modular product system

Ordering table			Condi- tions	Code	Entry code
[M]	Module no.	8003577			
	Connecting cable	Connecting cables for valves		NEBV	NEBV
	Connection technology on left, field device side	Socket, plug pattern ZC, self-tapping screw		-Z3	-Z3
	Cable outlet, left	Angled 45°		WA	WA
	Number of pins/wires, left	2-pin		2	2
	Display	Signal status LED		L	L
	Circuitry	Holding current reduction with integrated protective circuit		-R	-R
	Cable characteristic	Suitable for use with energy chains		-E	-E
	Line length [m]	2.5		-2,5	
		5		-5	
		10		-10	
	Cable identification	Without inscription label holder		-N	-N
	Connection technology on right, control side	Open end		-LE	-LE
	Number of pins/wires, right	2-pin		2	2
	Degree of protection for electrics	IP65		-S1	-S1

[M] Mandatory data

[O] Options

Transfer order code

8003577 **NEBV** – **Z3** **WA** **2** **L** – **R** – **E** – **N** – **LE** **2** – **S1**