Type codes

001	Series	_
NEBV	Connecting cable for valves	
002	Product version	
002		_
	Standard	
С	Easy-to-clean design	
003	Connection technology left, field device side	
A1		
B2	Socket type A, EN 175301-803 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	
НР	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	Dienley	
006	Display	_
_	None	_
F .	LED signal status, AC	_
<u>L</u>	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	
113	ANITH 2COL	
008	Circuitry	
-	None	
P	Protective circuit	-
	Holding current reduction with integrated protective circuit	
R	cholonis current reduction with integrated profective ClfCUIT	1

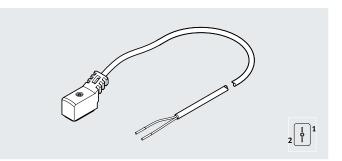
009	Cable characteristic
Р	Basic
K	Standard
E	Suitable for energy chains
F	Food-safe to standard
1	Laure
010	Cable design
	Standard
D	Double cable
M	Alternative material
N	Leads
011	Cable length [m]
0.1	0.1
0.2	0.2
0.3	0.3
0.5	0.5
0.6	0.6
1	1
2	2
2.5	2.5
3	3
5 10	5 10
10	10
012	Cable identification
	With label holder
N	Without label holder
L 0.4.2	Constitution to the state of the controller of the
013	Connection technology right, controller side
LE	Open end
M8	Plug M8x1 A-coded, EN 61076-2-104
M12 Z1	Plug M12x1 A-coded, EN 61076-2-101
Z1	Port pattern ZB plug, self-tapping screw
014	Plug
	None
G	Straight
W	Angled
Loge	Mountain that of the conditional is
015	Number of pins/wires on the right
2	2
3	3
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
- 40	Standard Standard
S6	IP40
S1	IP65
S9	IP65/IP67
	IP65/IP67/IP69K
S10	657 677 657.

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

Datasheet

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
Design type	Rectangular
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 indication	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 – Electrics		
Nominal operating voltage	[V DC]	24
Operating voltage range	[V DC]	20.4 26.4
Surge resistance	[kV]	2.4
Pollution degree		3
Contact durability		50
Reverse polarity protection		Bipolar
Protective earth connection		Not provided

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

ATEX	
ATEX category gas	II 3G
Ex-ignition protection type gas	Ex ec IIC Gc X
Explosion protection certification outside the	EPL Gc (GB)
EU	

Datasheet

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
PWIS conformity	VDMA24364-B2-L

Operating and environmental conditions	
Ambient temperature [°C]	−10 +50
CE marking (see declaration of conformity) ²⁾	To EU EMC Directive ¹⁾
	To EU RoHS Directive
UKCA marking (see declaration of conformity) ²⁾	To UK instructions for EMC ¹⁾
	To UK RoHS instructions
Degree of protection	IP65
Note on degree of protection	In assembled state

¹⁾ For information about the area of use, see the EC declaration of conformity at: www.festo.com/catalogue/NEBV -> Support/Downloads.

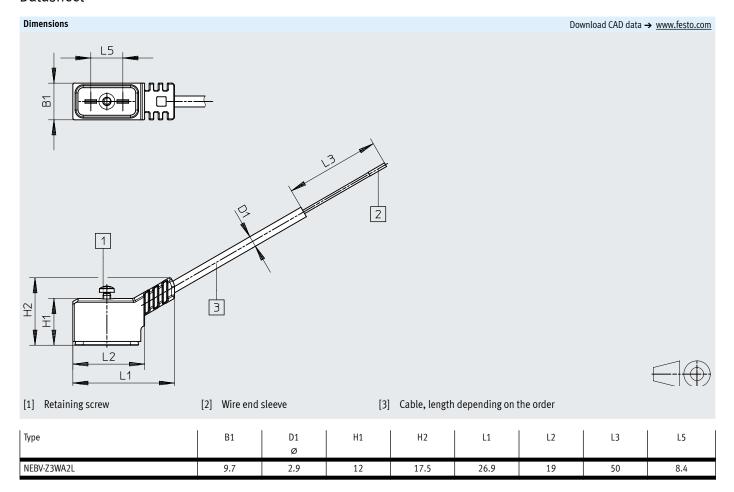
If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

²⁾ Additional information: www.festo.com/catalogue/NEBV -> Support/Downloads.

Circuitry (socket/plug view)				
Electrical connection 1	Pin	Wire colour ¹⁾	Pin	Electrical connection 2
	1	ВК	-	Open end
	2	BK	_	
2 📱				

¹⁾ To IEC 757

Datasheet



Ordering data				
Electrical connection	Cable length	Weight	Part no.	Type
	[m]	[g]		
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

Ordering data – Modular product system

Ordering table				
		Conditions	Code	Enter code
Module no.	8003577			
Connecting cable	Connecting cables for valves		NEBV	NEBV
Connection technology on the left, field device side	Socket, plug pattern ZC, self-tapping screw		-Z3	-Z3
Cable outlet on the left	Angled 45°		WA	WA
Number of pins/wires on the 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 energy chains		-E	-E
Cable length [m]	2.5		-2.5	
[m]	5		-5]
[m]	10		-10	1
Cable designation	Without inscription label holder		-N	-N
Connection technology on the right,	Open end		-LE	-LE
controller side				
Number of pins/wires on the right	2-pin		2	2
Degree of protection, electrical system	IP65		-S1	-S1