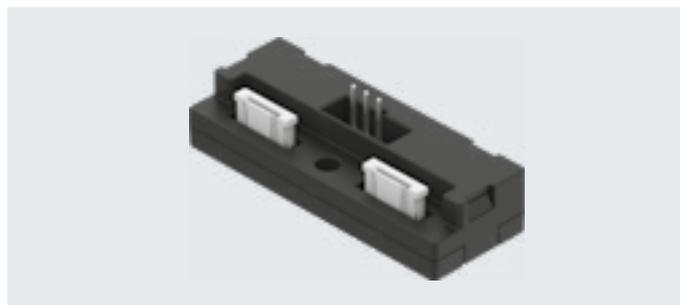


Data sheet

Electronic plug base NEFV

- Can only be used in combination with electronics module VAVE-P12-TP-5YL1-P
- For the electrical control of piezo valves VEAE and VEMR



General technical data

Operating voltage range	[V DC]	0 ... 310
Product weight	[g]	6.8
Type of mounting		Via through-hole
Cable outlet		Straight
Degree of protection		IP40
Note on degree of protection		In assembled state
Protective earth connection		Not provided

Technical data – Electrical connection 1

Type	NEFV-V13-XX4G3-T1G3	NEFV-V14-XX4G3-T1G3
Connection type	Socket	
Function	Field device side	
Design	Rectangular	
Connection technology	ZIF	
Number of pins/wires	5	12
Assigned pins/wires	3	
Type of mounting	Plug-in	

Technical data – Electrical connection 2

Type	NEFV-V13-XX4G3-T1G3	NEFV-V14-XX4G3-T1G3
Connection type	Socket	
Function	Field device side	
Design	Rectangular	
Connection technology	ZIF	
Number of pins/wires	5	12
Assigned pins/wires	3	
Type of mounting	Plug-in	

Technical data – Electrical connection 3

Connection type	Plug
Function	Controller side
Design	Rectangular
Connection technology	Festo-specific coding
Number of pins/wires	3
Assigned pins/wires	3
Type of mounting	Plug-in

Materials

Housing	PA
Housing colour	Black
Note on materials	RoHS-compliant
Material information, pin contact	Nickel-plated and gold-plated bronze

Data sheet

Operating and environmental conditions

Ambient temperature	[°C]	-10 ... +60
Storage temperature	[°C]	-40 ... +80
Pollution degree		2
Corrosion resistance class CRC ¹⁾		1
CE marking (see declaration of conformity) ³⁾		in accordance with EU RoHS Directive ²⁾

- Corrosion resistance class CRC 1 to Festo standard FN 940070
Low corrosion stress. Dry indoor application 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).
- For information about the area of use, see the EC declaration of conformity at: www.festo.com/catalogue/... → 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.
- Additional information: www.festo.com/catalogue/... → Support/Downloads.

Circuitry (socket view) – NEFV-V13

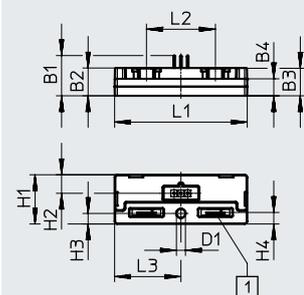
Front view	Pin/connection	Function	
	Electrical connection 1		
	Field device side	ZIF 1	Valve 1
	Electrical connection 3		
		1	Earth
		2	Signal for valve 1
		3	Signal for valve 2
	Electrical connection 2		
	Field device side	ZIF 2	Valve 2

Circuitry (socket view) – NEFV-V14

Front view	Pin/connection	Function	
	Electrical connection 1		
	Field device side	ZIF 1	Valve 1
	Electrical connection 3		
		1	Earth
		2	Signal for valve 1
		3	Signal for valve 2
	Electrical connection 2		
	Field device side	ZIF 2	Valve 2

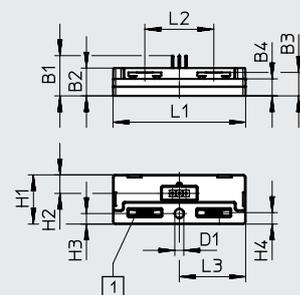
Dimensions

NEFV-V13-XX4G3-T1G3



[1] VEMR only

NEFV-V14-XX4G3-T1G3

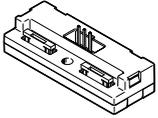


Download CAD data → www.festo.com

[2] VEAE only

Type	B1	B2	B3	B4	D1 Ø	H1	H2	H3	H4	L1	L2	L3
NEFV-V13-XX4G3-T1G3	15.3	10.6	10.5	6.5	3.4	18.7	7.1	4	4.4	50	26	25
NEFV-V14-XX4G3-T1G3	15.3	10.6	8.9	6.5	3.4	18.7	7.1	4	4.4	50	26	25

Data sheet

Ordering data	Description	Part no.	Type
	For the electrical control of piezo valve VEMR	8109877	NEFV-V13-XX4G3-T1G3
	For the electrical control of piezo valve VEAE	8109878	NEFV-V14-XX4G3-T1G3