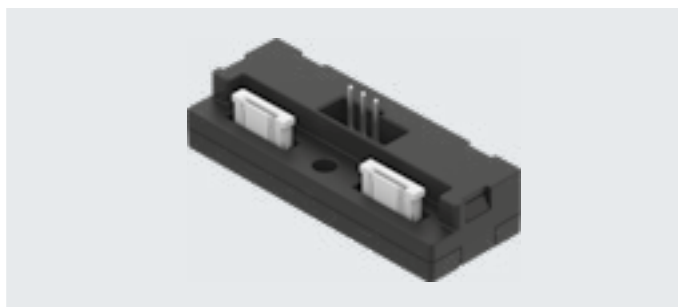


## Data sheet

### 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 VEA-E 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

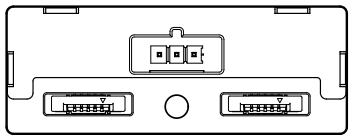
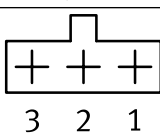
## Data sheet

## Operating and environmental conditions

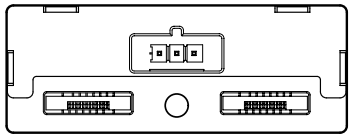
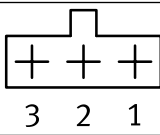
Ambient temperature	[°C]	-10 ... +60
Storage temperature	[°C]	-40 ... +80
Pollution degree		2
Corrosion resistance class CRC <sup>1)</sup>		1
CE marking (see declaration of conformity) <sup>3)</sup>		in accordance with EU RoHS Directive <sup>2)</sup>

- 1) 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).
- 2) For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://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.
- 3) Additional information: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

## Circuitry (socket view) – NEFV-V13

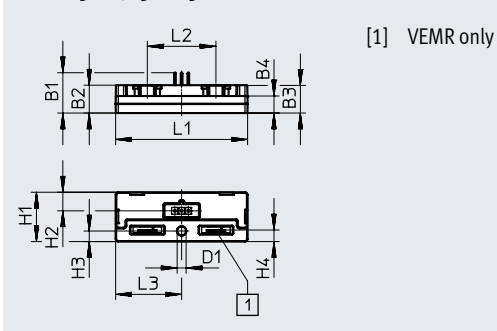
Front view	Pin/connection	Function
	<b>Electrical connection 1</b>	
	Field device side	Valve 1
	<b>Electrical connection 3</b>	
	1	Earth
	2	Signal for valve 1
	3	Signal for valve 2
	<b>Electrical connection 2</b>	
	Field device side	Valve 2
		

## Circuitry (socket view) – NEFV-V14

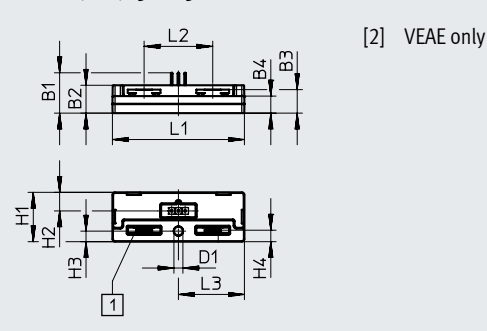
Front view	Pin/connection	Function
	<b>Electrical connection 1</b>	
	Field device side	Valve 1
	<b>Electrical connection 3</b>	
	1	Earth
	2	Signal for valve 1
	3	Signal for valve 2
	<b>Electrical connection 2</b>	
	Field device side	Valve 2
		

## Dimensions

NEFV-V13-XX4G3-T1G3

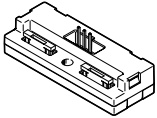


NEFV-V14-XX4G3-T1G3

Download CAD data → [www.festo.com](http://www.festo.com)

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	<b>8109877</b>	<b>NEFV-V13-XX4G3-T1G3</b>
	For the electrical control of piezo valve VEA6	<b>8109878</b>	<b>NEFV-V14-XX4G3-T1G3</b>