



# Solenoid coils VACF-B-B2

Technical data

-  Voltage  
12 ... 48 V DC  
24 ... 240 V AC
-  Temperature range  
-10 ... +50 °C
- In accordance with VDE regulation 0580, insulation class H
- Can be replaced without interrupting the pneumatic circuit



General technical data	
Type of mounting	Via knurled nut
Mounting position	Any (can be rotated in increments of 45° on the armature tube)

Materials	
Housing seal set	Aluminium, HNBR
Housing	PA, steel
Winding	Copper
Note on materials	RoHS compliant

Electrical data	
Electrical connection	Plug pins, 3-pin, with connection pattern to industry standard, type B
Permissible voltage fluctuations [%]	-10 / +10
Duty cycle [%]	100
Degree of protection to EN 60529	IP65 with plug socket
Insulation class	H

Characteristic coil data								
Operating voltage		12 V DC	24 V DC	48 V DC	24 V AC	48 V AC	110/120 V AC	230/240 V AC
Power [W]		3.4	3.3	3.4	-	-	-	-
Pick-up power, 50 Hz [VA]		-	-	-	3.9	3.9	4.4	5.8
Holding power, 50 Hz [VA]		-	-	-	2.6	2.7	3.3	4.6
Frequency [Hz]		-	-	-	50/60	50/60	50/60	50/60
Surge resistance [kV]		-	-	-	-	-	2.5	4

Operating and environmental conditions								
Operating voltage		12 V DC	24 V DC	48 V DC	24 V AC	48 V AC	110/120 V AC	230/240 V AC
Ambient temperature [°C]		-20 ... +50					-20 ... +50	
Corrosion resistance class CRC <sup>1)</sup>		2					2	
Degree of contamination		-					3	
CE marking (see declaration of conformity) <sup>3)</sup>		-					To EU Low Voltage Directive <sup>2)</sup>	
Certification		c UL us - Recognized (OL)		-	c UL us - Recognized (OL)	-	-	

1) Corrosion resistance class CRC 2 to Festo standard FN 940070  
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

2) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: [p → User documentation.](#)  
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.

3) Additional information [p → Certificates.](#)

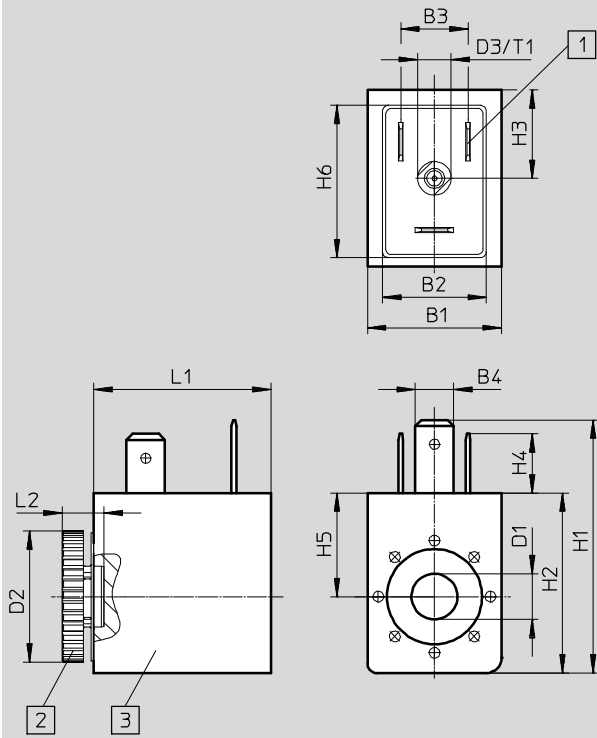
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## Dimensions

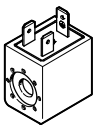

Download CAD data →



- 1 Plug pattern to industry standard, type B
- 2 Knurled nut (seal set for solenoid coil)
- 3 Solenoid coil  
(can be rotated in increments of 45° on the armature tube, push on in any direction)

Type	B1	B2	B3	B4	D1	D2	D3	H1	H2	H3	H4	H5	H6	L1	L2	T1
VACF-B-B2-...	22	17	11	6.3	8.2	21.5	M3	41.5	29.5	14.5	9.7	17	25	29	6.9	5

## Ordering data

	Description	Part No.	Type
<b>Solenoid coil</b>			
	Without plug socket, connection pattern to industry standard, type B	12 V DC	<b>8030801</b> VACF-B-B2-5
		24 V DC	<b>8030802</b> VACF-B-B2-1
		48 V DC	<b>8030803</b> VACF-B-B2-7
		24 V AC	<b>8030804</b> VACF-B-B2-1A
		48 V AC	<b>8030805</b> VACF-B-B2-7A
		110/120 V AC	<b>8030806</b> VACF-B-B2-16B
		230/240 V AC	<b>8030808</b> VACF-B-B2-3W
<b>Seal set</b>			
	To achieve degree of protection IP67	<b>8034609</b>	VAMC-B10-B-B-S8

