

Solenoid coil VACN

FESTO



Type code

001	Series	
VACN	Solenoid coil VACN	

002	Solenoid coil type	
H1	Solenoid coil H1 for armature tube 14 mm	
N	Solenoid coil N for armature tube 9 mm	

003	Electrical connection	
A1	Plug pattern type A, to EN 175301-803	
K1	Cable	
K11	Cable with insulating conduit connection	
R3	Single plug M12 A-coded, according to EN 61076-2-101	
R4	Single plug M12 A-coded, pin assignment according to DESINA	

004	Nominal operating voltage	
1	24 V DC	
2A	110 V AC/50-60 Hz	
3A	230 V AC/50-60 Hz	
16B	120 V AC/60 Hz and 110V AC/50-60 Hz	

005	Cable length [m]	
0.5	0.5	
10	10	

006	EU certification	
	None	
EX2	II 3GD	
EX4	II 2GD	

007	Certification	
	None	
U4	Class1 Div1 to NEC 500	

008	Type of ignition protection	
	None	
A	Intrinsically safe	
M	Encapsulation	
N	Non-sparking	

Datasheet

General technical data - Solenoid coils N for Armature tube 9 mm, with electrical connection form A



Electrical connection	Type A, To DIN EN 175301-803
Type of actuation	Electric
Type of mounting	Via knurled nut
Mounting position	optional

Electrical data - Solenoid coils N for Armature tube 9 mm, with electrical connection form A

Electrical data – Solenoid coils for miniature table 9 mm, with electrical connection form A							
Nominal operating voltage	24 V DC			230 V AC/50-60 Hz		120 V AC/60 Hz and 110V AC/50-60 Hz	
EU certification	None	II 3GD	II 2GD	None	II 3GD	None	II 3GD
Characteristic coil data	24 V DC: 0.7 W	24 V DC: 2.1 W	–	230 V AC: 50 Hz, pick-up power 6.2 VA, holding power 3.7 VA, 230 V AC: 60 Hz, pick-up power 4.9 VA, holding power 2.9 VA	230 V AC: 50 Hz, pick-up power 6.9 VA, holding power 4.1 VA, 230 V AC: 60 Hz, pick-up power 5.4 VA, holding power 3.3 VA	110 V AC: 50 Hz, pick-up power 5.2 VA, holding power 3.1 VA, 110 V AC: 60 Hz, pick-up power 4.2 VA, holding power 2.5 VA	110 V AC: 50 Hz, pick-up power 6.9 VA, holding power 4.1 VA, 110 V AC: 60 Hz, pick-up power 5.4 VA, holding power 3.2 VA
Max. input voltage U_i	–		28 V	–			
Max. input current I_i	–		115 mA	–			
Required current consumption	–		27 mA	–			
Effective internal capacitance C_i	–		Negligibly low	–			
Permissible voltage fluctuations	+/- 10%		–	+/- 10%			
Immunity to surge	–			4 kV	–	2.5 kV	–
Duty cycle	100%						
Insulation material class	F						
Insulation material class of enamelled wire	F	H		F	H	F	H
Degree of protection	IP65						
Pollution degree	–			3	–	3	–

Datasheet

ATEX - Solenoid coils N for Armature tube 9 mm, with electrical connection form A

EU certification	None	II 3GD	II 2GD
ATEX category gas	–	II 3G	II 2G
Explosion ignition protection type for gas	–	Ex nA IIC T5/T4 X Gc	Ex ia IIC/IIB T6/T4 Gb
ATEX category dust	–	II 3D	II 2D
Explosion ignition protection type for dust	–	Ex tc IIIC T95°C/T105°C X Dc	Ex tb IIIC T80°C/T130°C Db
Explosion ambient temperature	–	-20°C ≤ Ta ≤ +60°C	T4, T130°C: -40°C ≤ Ta ≤ +85°C T6, T80°C: -40°C ≤ Ta ≤ +50°C
Explosion protection certification outside the EU	–	EPL Dc (GB); EPL Gc (GB)	EPL Db (BR); EPL Db (CN); EPL Db (GB); EPL Db (IEC-EX); EPL Gb (BR); EPL Gb (CN); EPL Gb (GB); EPL Gb (IECEx)
Certificate issuing authority	DNV TAA000011J		CCC 2021322307003993 DNV 15.0188 DNV TAA000011J GYJ21.1326 IECEx PTB 15.0013 PTB 09 ATEX 2043

Materials - Solenoid coils N for Armature tube 9 mm, with electrical connection Form A

Material housing	Polymer, Steel
Material winding	Copper
Material electrical contact	Brass
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operating and environmental conditions - Solenoid coils N for Armature tube 9 mm, with electrical connection form A

Nominal operating voltage	24 V DC			230 V AC/50-60 Hz		120 V AC/60 Hz and 110V AC/50-60 Hz	
EU certification	None	II 3GD	II 2GD	None	II 3GD	None	II 3GD
Ambient temperature	-20 ... 60°C		-20 ... 50°C	-20 ... 60°C			
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress						
CE mark (see declaration of conformity) ²⁾	–	To EU Explosion Protection Directive (ATEX)		To EU Low Voltage Directive	To EU Explosion Pro- tection Directive (ATEX)	To EU Low Voltage Directive	To EU Explosion Pro- tection Directive (ATEX)
UKCA marking (see declaration of conformity)	–	To UK EX instructions		To UK regulations for electrical equip- ment	To UK EX instruc- tions	To UK regulations for electrical equip- ment	To UK EX instruc- tions
Maritime classification ³⁾	See certificate						

1) More information www.festo.com/x/topic/kbk2) More information www.festo.com/catalogue/... Support/Downloads.3) More information www.festo.com/catalogue/... Support/Downloads.

Datasheet

General technical data - Solenoid coils N for Armature tube 9 mm, with electrical connection plug M12x1, A-coded



Electrical connection 1, number of connections/cores	2	4
Conforms to standard	ISO 20401	DESINA
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101	
Electrical connection 1, connection type	Plugs	
Electrical connection 1, type of mounting	Screw-type lock	
Type of actuation	Electric	
Type of mounting	Via knurled nut	
Mounting position	optional	
Signal status display	LED	

Electrical data - Solenoid coils N for Armature tube 9 mm, with electrical connection plug M12x1, A-coded

Characteristic coil data	24 V DC: 2.7 W
Permissible voltage fluctuations	+/- 10%
Duty cycle	100%
Insulation material class	F
Insulation material class of enamelled wire	H
Degree of protection	IP65
Pollution degree	3

Materials - Solenoid coils N for Armature tube 9 mm, with electrical connection plug M12x1, A-coded

Material housing	Polymer
Material solenoid coil	Duroplast, Copper, Steel
Material winding	Copper
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operating and ambient conditions – Solenoid coils N for armature tube 9 mm, with electrical connection plug M12x1, A-coded

Ambient temperature	-20 ... 60°C
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress

1) More information www.festo.com/x/topic/kbk

Datasheet

General technical data - Solenoid coils N for Armature tube 9 mm, with electrical connection cable



EU certification	None	II 2GD
Electrical connection	Cable	
Cable diameter	–	7 mm
Cable length	0.61 m	3 m; 10 m
Type of actuation	Electric	
Type of mounting	Via knurled nut	
Mounting position	optional	

Electrical data - Solenoid coils N for Armature tube 9 mm, with electrical connection cable

Nominal operating voltage	24 V DC		230 V AC/50-60 Hz		120 V AC/60 Hz and 110V AC/50-60 Hz	
EU certification	None	II 2GD	None	II 2GD	None	II 2GD
Characteristic coil data	24 V DC: 4.6 W	24 V DC: 2.6 W	230 V AC: 50 Hz, pick-up power 11.5 VA, holding power 8.0 VA	230 V AC: 50/60 Hz, power 2.1 VA	120 V AC: 60 Hz, pick-up power 10.0 VA, holding power 6.8 VA	110 V AC: 50/60 Hz, power 2.4 VA
Permissible voltage fluctuations	+/- 10%					
Duty cycle	100%					
Insulation material class	H	F	H	F	H	F
Insulation material class of enamelled wire	H					
Degree of protection	IP65					
Certification	Class1 Div1 to NEC 500	None	Class1 Div1 to NEC 500	None	Class1 Div1 to NEC 500	None

ATEX – Solenoid coils N for armature tube 9 mm, with electrical connection cable

Nominal operating voltage	24 V DC		
EU certification	None	II 2GD	
Cable length	0.61	3	10
ATEX category gas	–	II 2G	
Explosion ignition protection type for gas	AEx m II T4 Ex m II T4	Ex mb IIC T6 Gb	
ATEX category dust	–	II 2D	
Explosion ignition protection type for dust	–	Ex mb IIIC T80°C Db Ex mb tb IIIC T80°C Db	
Explosion ambient temperature	-20°C <= Ta <= +60°C	-20°C <= Ta <= +40°C (block) -20°C <= Ta <= +50°C (single)	
Explosion protection certification outside the EU	Class I, Div. 1 (CA); Class I, Div. 1 (US); Class I, Div. 2 (CA); Class II, Div. 1 (CA); Class II, Div. 1 (US); Class III, Div. 1 (CA); Class III, Div. 1 (US); EPL Gb (US)	EPL Db (BR); EPL Db (CN); EPL Db (GB); EPL Db (IEC-EX); EPL Gb (BR); EPL Gb (CN); EPL Gb (GB); EPL Gb (IECEX)	EPL Db (CN); EPL Db (GB); EPL Db (IEC-EX); EPL Gb (CN); EPL Gb (GB); EPL Gb (IECEX)
Certificate issuing authority	CSA 265489 DNV TAA000011J FM 3053936	CCC 2021322307003994 DNV 15.0189X/02 DNV TAA000011J GYJ21.1327X IECEx PTB 15.0016X PTB 14 ATEX 2027 X	

Datasheet

ATEX – Solenoid coils N for armature tube 9 mm, with electrical connection cable				
Nominal operating voltage	230 V AC/50-60 Hz		120 V AC/60 Hz and 110V AC/50-60 Hz	
EU certification	None	II 2GD	None	II 2GD
Cable length	0.61	3	0.61	3
ATEX category gas	–	II 2G	–	II 2G
Explosion ignition protection type for gas	AEx m II T4 Ex m II T4	Ex mb IIC T6 Gb	AEx m II T4 Ex m II T4	Ex mb IIC T6 Gb
ATEX category dust	–	II 2D	–	II 2D
Explosion ignition protection type for dust	–	Ex mb IIIC T80°C Db Ex mb tb IIIC T80°C Db	–	Ex mb IIIC T80°C Db Ex mb tb IIIC T80°C Db
Explosion ambient temperature	-20°C ≤ Ta ≤ +60°C	-20°C ≤ Ta ≤ +40°C (block) -20°C ≤ Ta ≤ +50°C (single)	-20°C ≤ Ta ≤ +60°C	-20°C ≤ Ta ≤ +40°C (block) -20°C ≤ Ta ≤ +50°C (single)
Explosion protection certification outside the EU	Class I, Div. 1 (CA); Class I, Div. 1 (US); Class I, Div. 2 (CA); Class II, Div. 1 (CA); Class II, Div. 1 (US); Class III, Div. 1 (CA); Class III, Div. 1 (US); EPL Gb (US)	EPL Db (BR); EPL Db (CN); EPL Db (GB); EPL Db (IEC-EX); EPL Gb (BR); EPL Gb (CN); EPL Gb (GB); EPL Gb (IECEx)	Class I, Div. 1 (CA); Class I, Div. 1 (US); Class I, Div. 2 (CA); Class II, Div. 1 (CA); Class II, Div. 1 (US); Class III, Div. 1 (CA); Class III, Div. 1 (US); EPL Gb (US)	EPL Db (BR); EPL Db (CN); EPL Db (GB); EPL Db (IEC-EX); EPL Gb (BR); EPL Gb (CN); EPL Gb (GB); EPL Gb (IECEx)
Certificate issuing authority	CSA 265489 DNV TAA000011J FM 3053936	CCC 2021322307003994 DNV 15.0189X/02 DNV TAA000011J GYJ21.1327X IECEX PTB 15.0016X PTB 14 ATEX 2027 X	CSA 265489 DNV TAA000011J FM 3053936	CCC 2021322307003994 DNV 15.0189X/02 DNV TAA000011J GYJ21.1327X IECEX PTB 15.0016X PTB 14 ATEX 2027 X

Materials - Solenoid coils N for Armature tube 9 mm, with electrical connection Cable						
Nominal operating voltage	24 V DC [1]		230 V AC/50-60 Hz [3A]		120 V AC/60 Hz and 110V AC/50-60 Hz [16B]	
EU certification	None	II 2GD	None	II 2GD	None	II 2GD
Material housing	Polymer, Steel					
Material winding	Copper					
Note on materials	RoHS-compliant					
LABS (PWIS) conformity	VDMA24364 zone III	VDMA24364-B2-L	VDMA24364 zone III	VDMA24364-B2-L	VDMA24364 zone III	VDMA24364-B2-L

Operating and environmental conditions - Solenoid coils N for Armature tube 9 mm, with electrical connection Cable		
Nominal operating voltage	24 V DC	
EU certification	None	II 2GD
Ambient temperature	-20 ... 60°C	
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress	
CE mark (see declaration of conformity) ²⁾	–	To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	–	To UK EX instructions To UK RoHS instructions
Maritime classification ³⁾	See certificate	
Certificate issuing authority	CSA 265489 DNV TAA000011J FM 3053936	CCC 2021322307003994 DNV 15.0189X/02 DNV TAA000011J GYJ21.1327X IECEX PTB 15.0016X PTB 14 ATEX 2027 X

1) More information www.festo.com/x/topic/kbk2) More information www.festo.com/catalogue/... Support/Downloads.3) More information www.festo.com/catalogue/... Support/Downloads.

Datasheet

Operating and environmental conditions - Solenoid coils N for Armature tube 9 mm, with electrical connection Cable

Nominal operating voltage	230 V AC/50-60 Hz		120 V AC/60 Hz and 110V AC/50-60 Hz	
EU certification	None	II 2GD	None	II 2GD
Ambient temperature	-20 ... 60°C	-20 ... 50°C	-20 ... 60°C	-20 ... 50°C
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress			
CE mark (see declaration of conformity) ²⁾	—	To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive	—	To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	—	To UK EX instructions To UK RoHS instructions	—	To UK EX instructions To UK RoHS instructions
Maritime classification ³⁾	See certificate			
Certificate issuing authority	CSA 265489 DNV TAA000011J FM 3053936	CCC 2021322307003994 DNV 15.0189X/02 DNV TAA000011J GYJ21.1327X IECEX PTB 15.0016X PTB 14 ATEX 2027 X	CSA 265489 DNV TAA000011J FM 3053936	CCC 2021322307003994 DNV 15.0189X/02 DNV TAA000011J GYJ21.1327X IECEX PTB 15.0016X PTB 14 ATEX 2027 X

1) More information www.festo.com/x/topic/kbk2) More information www.festo.com/catalogue/... Support/Downloads.3) More information www.festo.com/catalogue/... Support/Downloads.

General technical data - Solenoid coils H1 for Armature tube 14 mm, with electrical connection form A



Electrical connection	Type A, Plugs, To DIN EN 175301-803, Square design
Type of mounting	Via lock nut
Max. tightening torque for fitting	2 Nm
Mounting position	optional
Switching position indicator	no

Electrical data - Solenoid coils H1 for Armature tube 14 mm, with electrical connection form A

Nominal operating voltage	24 V DC	110 V AC/50-60 Hz	230 V AC/50-60 Hz
Characteristic coil data	24 V DC: 11.9 W	110 V AC: 50/60 Hz, pick-up power 36.0 VA, holding power 18.5 VA	230 V AC: 50/60 Hz, pick-up power 36.0 VA, holding power 18.9 VA
Permissible voltage fluctuations	+/- 10%		
Permissible frequency fluctuations	+/- 10%		
Immunity to surge	—	2.5 kV	4 kV
Duty cycle	100%		
Power factor (cos phi)	0.7		
Min. pick-up time	12 ms		
Degree of protection	IP65		
Note on degree of protection	In assembled state		
Pollution degree	—	3	

Datasheet

Materials - Solenoid coils H1 for Armature tube 14 mm, with electrical connection form A

Material solenoid coil	Copper, Steel, Thermoplastic
Material winding	Copper
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III

Operating and environmental conditions - Solenoid coils H1 for Armature tube 14 mm, with electrical connection form A

Nominal operating voltage	24 V DC	110 V AC/50-60 Hz	230 V AC/50-60 Hz
Ambient temperature	-20 ... 50°C		
Restrictions for environmental and media temperature	(with limited duty cycle), -20 ... 60° C		
Corrosion resistance class CRC ¹⁾	4 - Very high corrosion stress		
CE mark (see declaration of conformity) ²⁾	–	To EU Low Voltage Directive	
UKCA marking (see declaration of conformity)	–	To UK regulations for electrical equipment	

1) More information www.festo.com/x/topic/kbk

2) More information www.festo.com/catalogue/... Support/Downloads.

Dimensions

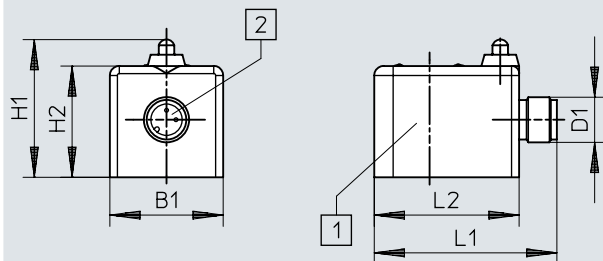
Dimensions – Solenoid coils VACN-N-A1 Download CAD data www.festo.com

[1] Plug pattern according to EN 175301-803, type A
[2] Solenoid coil
[3] Retaining screw M3

	B1	H1	H3	L1	L2	L4
VACN-N-A1-...	30	29,5	15,3	47,6	35,5	14,7

Dimensions

Dimensions – Solenoid coils VACN-N-R3-1

[Download CAD data](#) www.festo.com


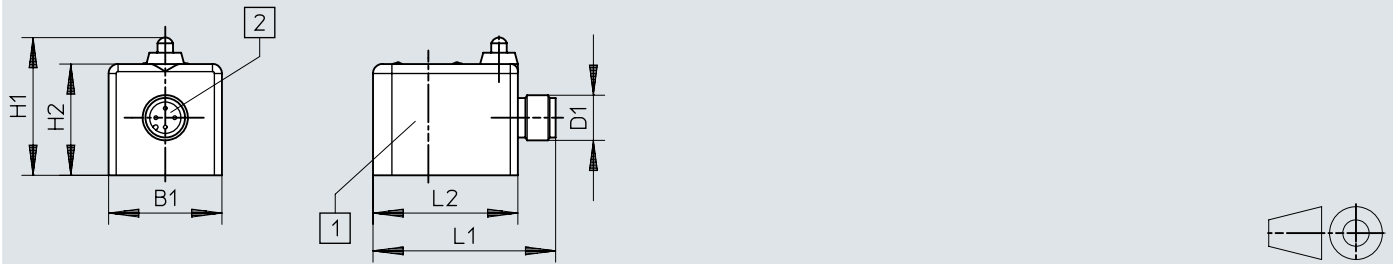
[1] Solenoid coil

[2] Plug M12x1, A-coded, 2-pin according to ISO 20401

	B1	D1	H1	H2	L1	L2
VACN-N-R3-1	30	M12x1	36,5	29,5	48,4	38,4

Dimensions

Dimensions – Solenoid coils VACN-N-R4-1 [Download CAD data](#) www.festo.com

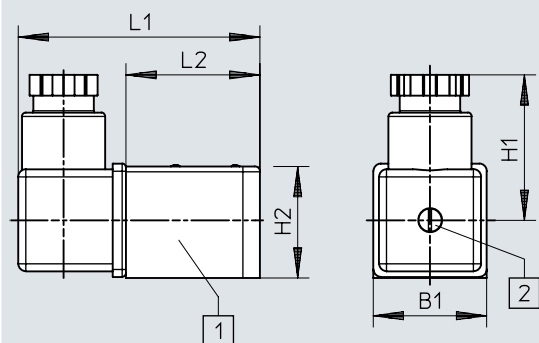


- [1] Solenoid coil
- [2] Plug M12x1, A-coded, 4-pin according to Desina

	B1	D1	H1	H2	L1	L2
VACN-N-R4-1	30	M12x1	34,4	29,5	48,4	38,4

Dimensions

Dimensions – Solenoid coils VACN-N-A1-...-EX2-N

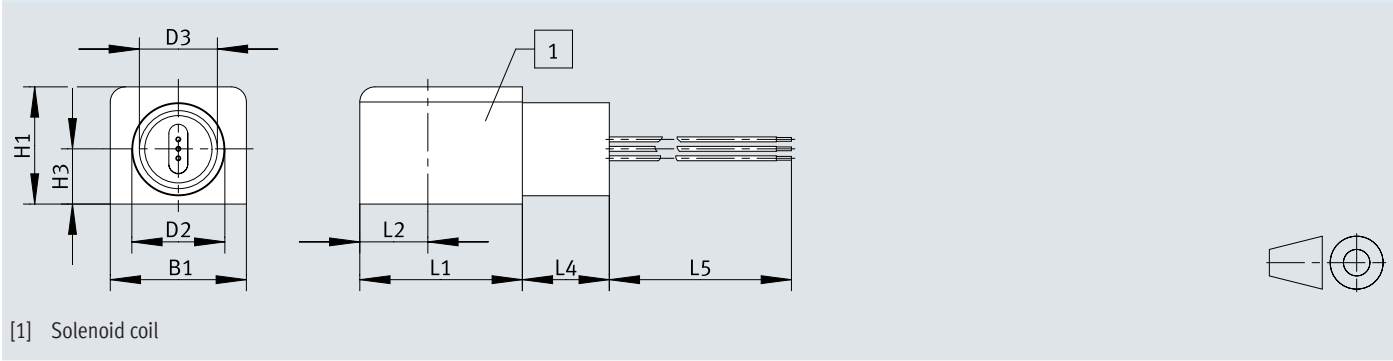
[Download CAD data](#) www.festo.com


- [1] Solenoid coil
- [2] Retaining screw M3

	B1	H1	H2	L1	L2
VACN-N-A1-...-EX2-N	30	38,5	29,5	64	35,5

Dimensions

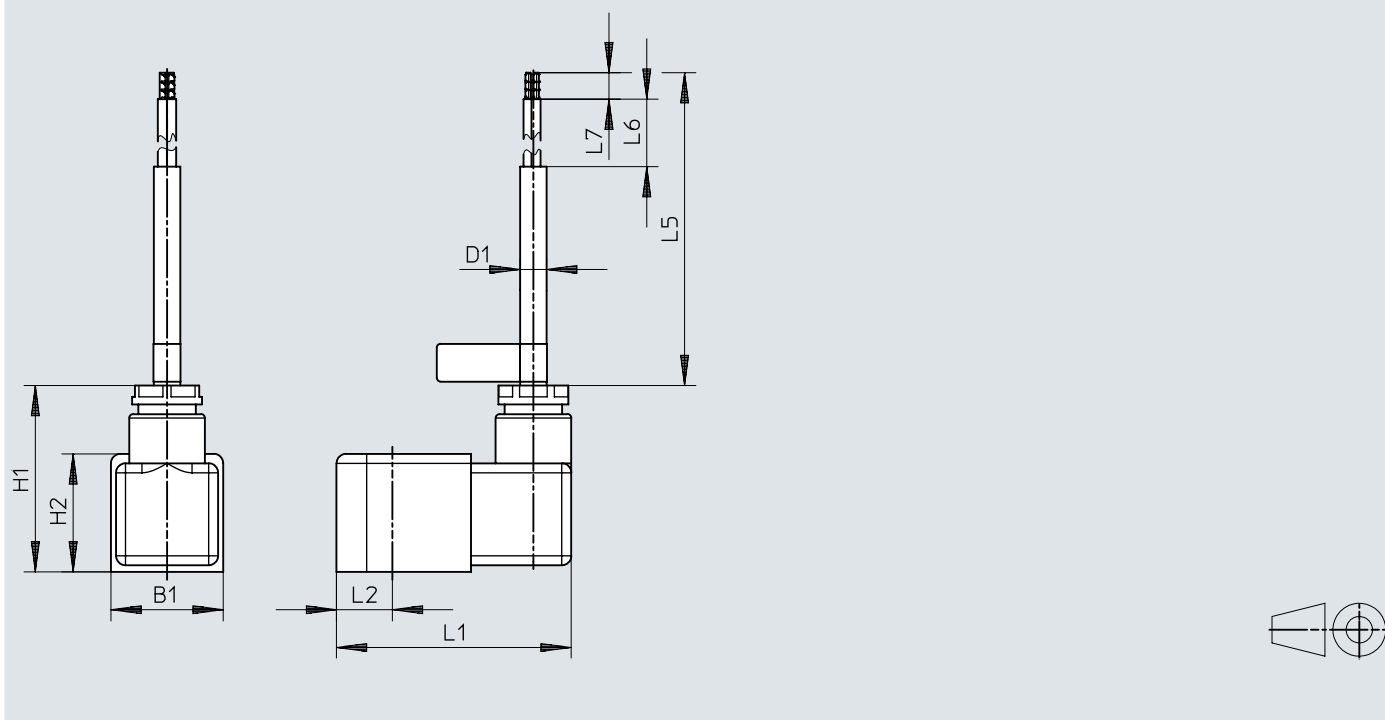
Dimensions – Solenoid coils VACN-N-K11...-U4-M Download CAD data www.festo.com



	B1 +0,2 -0,5	D2 ø	D3	H1 +0,35 -0,15	H3	L1	L2	L4	L5 ±10
VACN-N-K11-...	36	24,6	1/2NPT	31	14,5	43	18	23	610

Dimensions

Dimensions – Solenoid coils VACN-N-K1-...-EX4-M

[Download CAD data](#) www.festo.com


	B1	D1	H1	H2	L1	L2	L5	L6	L7
VACN-N-K1-1-EX4-M	29,7	7	49,3	31,3	67	14,8	3000	43	7
VACN-N-K1-1-10-EX4-M	29,7	7	49,3	31,3	67	14,8	10000	43	7
VACN-N-K1-16B-EX4-M	29,7	7	49,3	31,3	67	14,8	3000	43	7
VACN-N-K1-3A-EX4-M	29,7	7	49,3	31,3	67	14,8	3000	43	7

Dimensions

Dimensions – Solenoid coils VACN-N-A1...-EX4-A

[Download CAD data](#) www.festo.com

[1] Solenoid coil
[2] Retaining screw M3

	B1	H1	H2	L1	L2
VACN-N-A1...-EX4-A	30	38,5	29,5	67,7	39,2

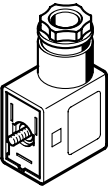
Ordering data

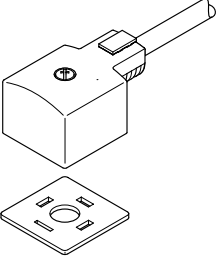
Ordering data - Solenoid coils N for Armature tube 9 mm, with electrical connection plug						
Nominal operating voltage	Electrical connection	Conforms to standard	EU certification	Product weight	Part no.	Type
	Single plug M12 A-coded, according to EN 61076-2-101	ISO 20401		100 g	8104526	VACN-N-R3-1
	Single plug M12 A-coded, pin assignment according to DESINA	DESINA			8104527	VACN-N-R4-1
24 V DC	Plug pattern type A, to EN 175301-803		None	95 g	8029144	VACN-N-A1-1
230 V AC/50-60 Hz			II 3GD	114 g	8029136	VACN-N-A1-1-EX2-N
			II 2GD		8029139	VACN-N-A1-1-EX4-A
			None		8029135	VACN-N-A1-3A
120 V AC/60 Hz and 110V AC/50-60 Hz			II 3GD	95 g	8029138	VACN-N-A1-3A-EX2-N
			None		8029134	VACN-N-A1-16B
			II 3GD		8029137	VACN-N-A1-16B-EX2-N

Ordering data - Solenoid coils N for Armature tube 9 mm, with electrical connection cable						
Nominal operating voltage	Electrical connection	EU certification	Cable length	Product weight	Part no.	Type
24 V DC	Cable	II 2GD	3 m	353 g	8029143	VACN-N-K1-1-EX4-M
			10 m	762 g	8141606	VACN-N-K1-1-10-EX4-M
	Cable with insulating conduit connection	None	0.61 m	207 g	8029146	VACN-N-K11-1-0.5-U4-M
230 V AC/50-60 Hz	Cable	II 2GD	3 m	353 g	8029141	VACN-N-K1-3A-EX4-M
	Cable with insulating conduit connection	None	0.61 m	207 g	8029140	VACN-N-K11-3A-0.5-U4-M
120 V AC/60 Hz and 110V AC/50-60 Hz	Cable	II 2GD	3 m	353 g	8029142	VACN-N-K1-16B-EX4-M
	Cable with insulating conduit connection	None	0.61 m	207 g	8029145	VACN-N-K11-16B-0.5-U4-M

Ordering data - Solenoid coils H1 for Armature tube 14 mm, with electrical connection plug					
Nominal operating voltage	Electrical connection	EU certification	Product weight	Part no.	Type
24 V DC	Plug pattern type A, to EN 175301-803	None	150 g	8022877	VACN-H1-A1-1
110 V AC/50-60 Hz				8022878	VACN-H1-A1-2A
230 V AC/50-60 Hz				8022879	VACN-H1-A1-3A

Accessories

Plug socket				
	Electrical connection	Cable fitting	Part no.	Type
	3-pin, Angled socket, Type A, To DIN EN 175301-803, Square design	M16	539709	MSSD-C-M16
	3-pin, Angled socket, Type A, To DIN EN 175301-803, Square design MSC, Square design MSN1	Pg 9	34583	MSSD-C

Connecting cable							
	Electrical connection	Electrical connection 1, connector system	Nominal operating voltage DC	Nominal operating voltage AC	Cable length	Part no.	Type
		Connection pattern type A based on EN 175301-803	24 V	24 V	0.3 m	3679771	NEBV-A1W3F-P-K-0.3-N-M12W3
					0.6 m	3679776	NEBV-A1W3F-P-K-0.6-N-LE3
			110 V	110 V	0.3 m	3679772	NEBV-A1W3F-P-K-0.6-N-M12W3
					0.6 m	3579461	NEBV-A1W3-K-0.3-N-M12W3
			230 V	230 V	0.6 m	3579462	NEBV-A1W3-K-0.6-N-M12W3
					0.6 m	3579466	NEBV-A1W3-K-0.6-N-LE3
	Socket, Type A				2.5 m	30932	KMC-1-230AC-2,5
					5 m	30934	KMC-1-230AC-5
			24 V		2.5 m	30931	KMC-1-24DC-2,5-LED
					5 m	30933	KMC-1-24DC-5-LED
					10 m	193459	KMC-1-24-10-LED

Illuminating seal					
	Electrical connection	Nominal operating voltage AC	Operational voltage range DC	Part no.	Type
	Type A, To DIN EN 175301-803, Square design MSC		12 ... 24 V	19145	MC-LD-12-24DC
		230 V		19146	MC-LD-230AC