

B SERIES

Coils

B Series coils are 30 mm wide, suitable for armature tubes with diameter 13 mm. They can be provided with different electrical connections and temperature classes. The latching version is also available.

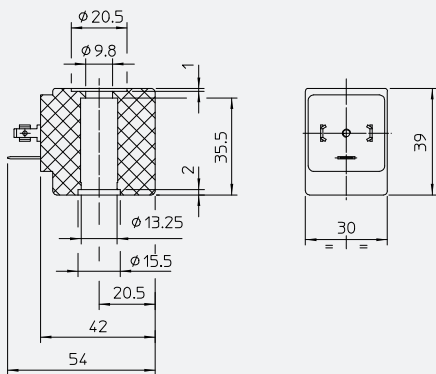


TECHNICAL DATA

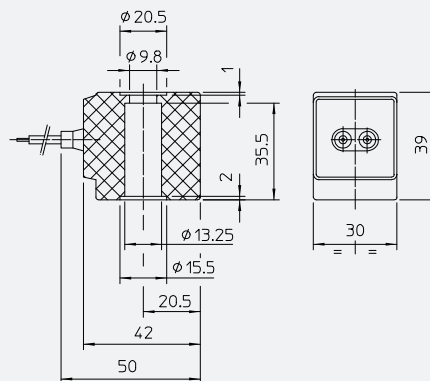
ELECTRICAL CONNECTIONS	BDA, BDS, BDV SERIES	EN 175301-803 PARAGRAPH 5.3.1 (FORM A, 18 mm)
	BVA SERIES	FLYING LEADS, LENGTH 50 cm
PROTECTION DEGREE	BDA, BDS, BDV SERIES	IP 65 EN 60529 (DIN 40050) (WITH CONNECTOR)*
	BVA SERIES	IP 00
WINDING INSULATION CLASS	CLASS H	
COIL INSULATION CLASS	BDA, BDS, BVA SERIES	CLASS F (155°C)
	BDV SERIES	CLASS H (180°C)
COIL ENCAPSULATION MATERIALS	BDA, BVA SERIES	BLACK PA (POLYAMIDE)
	BDS SERIES	IMPREGNATED BLACK PA (POLYAMIDE)
	BDV SERIES	BLACK PET (POLYETHYLENE)

* For BDS and BDV coils IP 67 possible with anti-umidity kit R453382/B and suitable connector. Please refer to chapter 9.

DIN CONNECTIONS



FLYING LEADS



DIN CONNECTIONS CLASS F

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
LOW POWER					
BDA2X024CS	24 V DC	2,5 W	-10°C +40°C	100%	CE
STANDARD POWER					
BDA08012AS	12 V / 50 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08024DS	24 V / 50-60 Hz	17 VA	-10°C +40°C	100%	CE
BDA08036CS	36 V DC	8 W	-10°C +40°C	100%	CE
BDA08042AS	42 V / 50 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08100DS	100 V / 50-60 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08110DS	110 V / 50-60 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08190DS	190 V / 50-60 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08200DS	200 V / 50-60 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08223DS	220-230 V / 50-60 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08240AS	240 V / 50 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08380DS	380 V / 50-60 Hz	14,5 VA	-10°C +40°C	100%	CE
BDA08480BS	480 V / 60 Hz	14,5 VA	-10°C +40°C	100%	CE




















- Tolerances on nominal voltages: AC + 10% - 15% DC + 10% - 5%
- Cycle time considered for ED < 100% is 1 min.
- Performances of the valves may vary when using low power or reduced duty cycle coils. Please contact ODE before order.

DIN CONN. -
CLASS F - IMPREG.
ENCAPSULATION

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
BDS08012CS	12 V DC	11 W	-10°C +40°C	100%	CE
BDS08024CS	24 V DC	11 W	-10°C +40°C	100%	CE
BDS08024DS	24 V / 50-60 Hz	17 VA	-10°C +40°C	100%	CE
BDS08110DS	110 V / 50-60 Hz	14,5 VA	-10°C +40°C	100%	CE
BDS08223DS	220-230 V / 50-60 HZ	14,5 VA	-10°C +40°C	100%	CE
BDS08240AS	240 V / 50 Hz	14,5 VA	-10°C +40°C	100%	CE

- Tolerances on nominal voltages: AC + 10% - 15% DC + 10% - 5%

DIN CONNECTIONS
CLASS H

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
BDV08012CY	12 V DC	11 W	-20°C +60°C	100%	CE  
BDV08024CY	24 V DC	11 W	-20°C +60°C	100%	CE  
BDV08024DY	24 V / 50-60 Hz	17 VA	-20°C +60°C	100%	CE  
BDV08048CY	48 V DC	10 W	-20°C +60°C	100%	CE  
BDV08048DY	48 V / 50-60 Hz	15 VA	-20°C +60°C	100%	CE  
BDV08110AY	110 V / 50 Hz 120 V / 60 Hz	15 VA	-20°C +60°C	100%	CE  
BDV08110CY	110 V DC	11 W	-20°C +60°C	100%	CE  
BDV08230CY	230 V DC	10 W	-20°C +60°C	100%	CE  
BDV08230AY	230 V / 50 Hz 240 V / 60 Hz	16 VA	-20°C +60°C	100%	CE  
REDUCED DUTY CYCLE					
BDV23012KW	12 V DC	23 W	-20°C +60°C	33%	CE 

- Tolerances on nominal voltages: AC + 10% - 15% DC + 10% - 5%
- Performances of the valves may vary when using low power or reduced duty cycle coils. Please contact ODE before order.

FLYING LEADS
CONNECTIONS
CLASS F

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
BVA08024CS	24 V DC	8 W	-10°C +40°C	100%	CE
BVA08024AS	24 V / 50 Hz	17 VA	-10°C +40°C	100%	CE
BVA08223DS	220-230 V / 50-60 Hz	14,5 VA	-10°C +40°C	100%	CE

- Tolerances on nominal voltages: AC + 10% - 15% DC + 10% - 5%.
- Coil without cable protection, connect the S.V. to a suitable earthing system.
- Available on request with minimum quantities.

- The power values are indicative, as they change as a function of magnetic kit used.
- The power values are referred to holding phase for AC voltages and to cold values for DC voltages.
- The power values for AC voltages are referred to holding phase.
- Coil encapsulation and bobbin are made of 100% virgin material.
- Other voltages and power absorptions available on demand and for minimum order quantities. Please contact ODE for further information.

I

II

III

IV

V

VI

VII

B**D****V****08****024****C****Y**

CODIFICATION

I. SERIES

- L** - Width 22 - tube Ø 10
- B** - Width 30 - tube Ø 13
- U** - Width 36 - tube Ø 13
- G** - Width 52 - tube Ø 13

II. ELECTRICAL CONNECTIONS

- B** - connector EN 175301-803 industry standard form B
- D** - connector EN 175301-803 form A
- V** - 2 cables cm 50
- T** - 2 cables cm 20

III. COIL HOUSING MATERIAL

- A** - PA - Black polyamide - class F (155°C)
- V** - PET - Black Polyethylene - class H (180°C)
- H** - PPS - Black Polyphenilsulphide - class N (200°C)

IV. POWER RATING

- 1X** - 1,5 W
- 2X** - 2,5 W
- 4X** - 7,2 VA
- 05** - 5 W - 7 W - 7,7 VA - 9,24 VA - 10 VA - 11,5 VA - 12,5 VA - 13,5 VA
- 5X** - 9,13 VA
- 08** - 8 W - 10 W - 11 W - 14,5 VA - 15 VA - 16 VA - 17 VA
- 10** - 9,9 W - 10,1 W
- 12** - 12 W - 22 VA - 23 VA - 25 VA
- 14** - 14 W - 23 VA - 26 VA - 27 VA
- 16** - 16 W

V. VOLTAGE

- 004** - 4,5 V
- 006** - 6 V
- 009** - 9 V
- 012** - 12 V
- 024** - 24 V
- 110** - 110 V / 50 Hz - 120 V / 60 Hz *
- 112** - 110 -120 V
- 220** - 220 V
- 223** - 220-230 V
- 224** - 220-240 V
- 230** - 230 V / 50 Hz - 240 V / 60 Hz *
- 240** - 240 V
- 380** - 380 V

VI. FREQUENCY

- A** - 50 Hz ED 100% *
- B** - 60 Hz ED 100%
- C** - D.C. ED 100%
- D** - 50/60 Hz ED 100%
- E** - 50 Hz ED 50%
- H** - D.C. ED 50%
- L** - Latching coils

VII. APPROVALS

- S** - CE approval
- Y** - CE, UL, CSA, VDE approval

* Voltage code 110 A = 110 V / 50 Hz - 120 V / 60 Hz ED 100%
Voltage code 230 A = 230 V / 50 Hz - 240 V / 60 Hz ED 100%