

G SERIES

Coils

G Series coils are 52mm wide, suitable for armature tubes with diameter 13mm. They can be provided in different temperature classes and materials.



TECHNICAL DATA

ELECTRICAL CONNECTIONS	EN 175301-803 paragraph 5.3.1 (form A, 18 mm)	
PROTECTION DEGREE	IP 65 EN 60529 (DIN 40050) (with connector)*	
WINDING INSULATION CLASS	CLASS N	
COIL INSULATION CLASS	GDH SERIES	CLASS N (200°C)
	GDV SERIES	CLASS H (180°C)
COIL ENCAPSULATION MATERIALS	GDH SERIES	BLACK PPS (POLYPHENYLENE SULFIDE)
	GDV SERIES	BLACK PET (POLYETHYLENE)

*IP 67 possible with anti-umidity kit R453382/G and suitable connector. Please refer to chapter 9.

DIN CONNECTIONS CLASS N

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
GDH14012CS	12 V DC	23 W	-20°C +40°C	100%	CE
GDH14024CS	24 V DC	24 W	-20°C +40°C	100%	CE
GDH14220CS	220 V DC	14 W	-20°C +40°C	100%	CE

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

DIN CONNECTIONS CLASS H

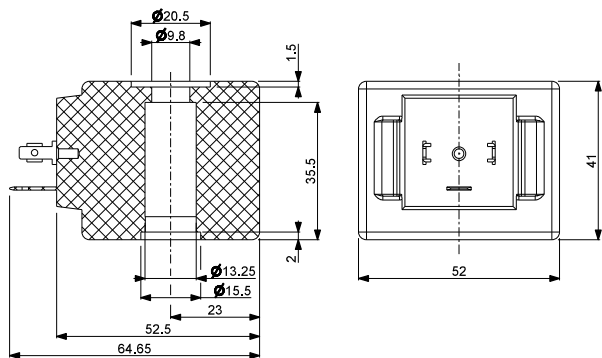
CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
GDV14024CY	24 V DC	14 W	-20°C +60°C	100%	CE
GDV14024DY	24 V / 50-60 Hz	27 VA	-20°C +60°C	100%	CE
GDV14048DS	48 V / 50-60 Hz	26 VA	-20°C +40°C	100%	CE
GDV14230AY	230 V / 50 Hz 240 V / 60 Hz	31 VA	-20°C +60°C	100%	CE

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

SPECIAL VOLTAGES

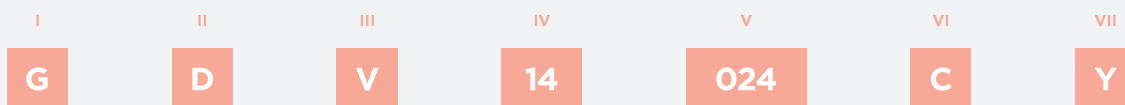
CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
GDH14018CS	18-32 V DC	7-23 W	-20°C +70°C	100%	CE
GDH14077CS	77-138 V DC	7-23 W	-20°C +70°C	100%	CE

- 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.



Coils ■ **G SERIES**

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 - 9,13VA
- 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 - 220V
- 223 - 220-230 V
- 224 - 220-240 V
- 230 - 230 V / 50 Hz - 240 V / 60 Hz *
- 240 - 240V
- 380 - 380V

VI. FREQUENCY

- A - 50 Hz ED 100% *
- B - 60 Hz ED 100%
- C - D.C. ED 100%
- D - 50/60 Hz ED 1 00%
- 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 110A = 110 V / 50 Hz - 120 V / 60 Hz ED 100%
 Voltage code 230A = 230 V / 50 Hz - 240 V / 60 Hz ED 100%