

GENERAL INFORMATION

Electric coils encapsulated in thermoplastic resins, designed for duty cycle 100 %. Standard supply voltages and electric powers are indicated in the following table; other voltages are available on request. Insulation class of each version is indicated in the same table as well. The ambient temperature range is -30 to +50 °C. For different applications please consult our technical office. To grant best reliability in use, it is necessary to allow a suitable thermic exchange with the ambient, avoiding to box coils in ambients not ventilated. Coils are available with electric terminations to DIN, AMP, Kostal, flying leads etc. and they can be supplied with protection diodes moulded-in. Coils protection according IP standard - provided assembling of suitable sealing on counterbores and between tube and coil - are quoted in the note (1) Upon request, coils can be moulded with resins and product certifications according to UL or CSA.

For coding of coil see table 3005 - for technical notes, lexicon and main definitions see table 3003

STANDARD COIL - duty cycle (ED) 100% (1) (8)

- other voltages, power, insulation class, ED upon request

code of coil with DIN electric connection (6)	voltage DC - (4)	nominal current [A]	resistance - Ohm (2)		nominal power [W]	insulation class of wire	delta T (3) of coil	technical table of related stems
			cold	warm				
C44 D 012DC I01	V 12 DC	2.9	4,2	6,3	35	H	105°C	3050
C44 D 024DC I01	V 24 DC	1.5	16	24	36		105°C	

notes

- (1) electric terminations currently available: **DIN 43650A-code C44 D....(IP65); Deutsch - code C44 G....(IP69K);** flying leads - code C44 C....(IP65); single cable (tripolar) C44 C1....(IP65); AMP junior - code C44 A(IP65)
- (2) tolerance on resistance +/- 7% ; cold value of resistance is referred at 20°C, warm value has to be intended only as indicative value - see note (6)
- (3) typical value of overtemperature - delta T- of winding, when supplied at 100% of nominal voltage. This value of delta T is calculated according to usual practice, following to measuring of variation of coil resistance after 2 hours of continuous supply; resistance finding modalities are indicated in the note (7)
- (4) tolerance on supply voltage is + 5 / - 10%
- (5) normally designed for AC supply at 24, 110/115 or 220/230 VAC at 50 or 60 Hz through rectifier bridge
- (6) thermoplastic encapsulation resins: I=Ixef; X & P=PBT
- (7) Values of warm resistance and delta T of coil are measured by testing coil directly assembled to stem and to valve body, to simulate the thermic exchange capability of unit during operation.
- (8) coils can be over-moulded with thermoplastic resins like Polyamide, Polyester, polyarylamide even with self extinguishing materials and epoxy resins with different chemical-physic properties and insulation class: ask for related options and characteristics to our technical office

Technical data are given for information only, without commitment; before ordering ask for confirmation of technical data, in particular on electric data, duty cycle and in particular on value of absorbed electric power and delta T.