



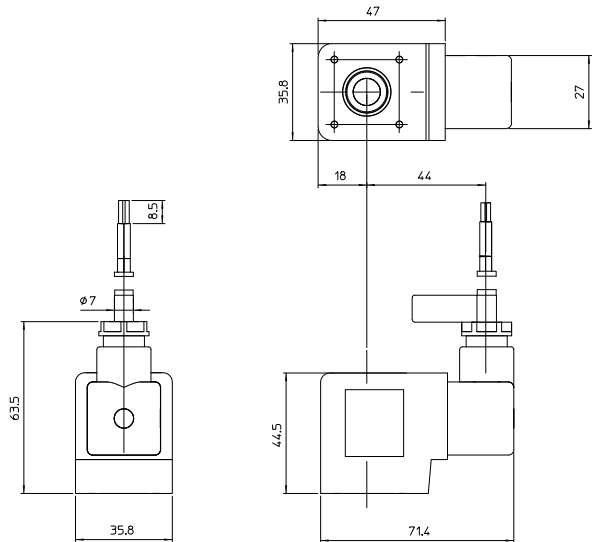
**ELECTROMAGNET 36 mm x Ø 14,5 mm**  
**FOR POTENTIALLY EXPLOSIVE**  
**CONSTRUCTION Ex mb II T 4**

**TNA4X024D4**  
**÷**  
**TNA10024C4**

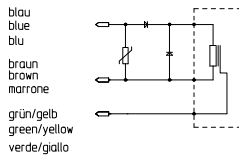
**COIL TNA** Coil housing material: PPS - Black polyphenylensulphide - class H (180°C)

**Winding:** In class H

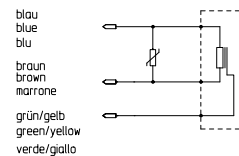
**Electrical connections:** three-pole cable Ø 1,5 lenght cm 300 PTB 03 ATEX 2086 X  
 Protection degree IP 65 EN 60529 (DIN 40050)



Spulenschaltung - Gleichstrom  
 coil wiring - direkt current  
 avvolgimento bobina - corrente alternata



Spulenschaltung - Gleichstrom  
 coil wiring - direkt current  
 avvolgimento bobina - corrente continua



**MATERIAL ON STOCK:**

Code	Power	Voltage Rating	Frequency	Rate Current Fuse
<b>TNA4X024D4</b>	7,2 VA	V 24	50-60 Hz	315 mA
<b>TNA5X110D4</b>	9,13 VA	V 110	50-60 Hz	83 mA
<b>TNA05224D4</b>	7,7-9,24 VA	V 220-240	50-60 Hz	35-39 mA
<b>TNA10024C4</b>	10,1 W	V 24	D.C.	421 mA



**(According to Directive 94/9/CE ATEX)**  
**II 2G Ex mb IIC T4 Gb**  
**II 2D Ex mb tb IIIC T130°C Db**

**NOMINAL VOLTAGES**  
**TOLERANCES:** ±10%

Other voltages and power absorptions available on demand and for quantities.

The "ODE" reserves the right to carry out technical and aesthetic modifications without prior notification.

The coils must be protected with an external fuse that has characteristics as per table.

AMBIENT TEMPERATURE: - 20°C + 50°C

FLUID MAX TEMPERATURE: + 80°C

Type	TNA...			TNA...		
Current	AC			DC		
Ambient Temperature Sige assembly Manifold assembly	-20°C...+ 50°C -20°C...+ 50°C			-20°C...+ 50°C -20°C...+ 50°C		
Max. media temperature	80°C			80°C		
Manifold assembly Min. distance	yes 0 mm			yes 0 mm		
Rated Voltage $U_N$ [V]	Rated current <sup>1)</sup> $I_N$ [mA]	Rated Power $P_N$ [VA]	Fuse <sup>2)</sup> [mA]	Rated current <sup>1)</sup> $I_N$ [mA]	Rated Power $P_N$ [W]	Fuse <sup>2)</sup> [mA]
24	315	7,2	800	421	10,1	800
110	83	9,1	200	76	8,4	160
115	70	8,1	200	-	-	-
120	72	8,6	200	-	-	-
220	35	7,7	100	43	9,5	100
230	37	8,5	100	-	-	-
240	39	9,2	100	-	-	-

1) Current dimensioning

2) Each solenoid operator has to be protected by a fuse according to the rated current (max. 3x rated current accord. DIN 41571 or IEC 60127-2-1) resp. Motor protection switch short-circuit and fast thermal tripping protection. The fuse can be accommodated in the associated device or must be added separately. The fuse voltage has to be equal or higher than the rated solenoid voltage. The shutdown capability has to be equal or higher than the max. assumed short-circuit current at the installation point (usually 1500A).