

COIL GROUP

8.0

**INTRINSICALLY SAFE
ELECTRICAL PARTS
"ia"**



**495910 - MINIWATT - 0.3 W
ELECTRICAL PARTS "IS" "BOOSTER" 37 mm**

These coils can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages.

Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia IIC T4 to T6 is required.

Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

Small size for ease of mounting in confined space. Available only in 28 VDC (code: N7).



Reference		495910
Certificate		LCIE 03 ATEX 6464 X - IECEx LCI 07.0006 X
Coil Group		8.0
Type of protection	Gas	II 1 G - Ex ia IIC - T4 / T5 / T6
	Dust	II 1 D - Ex ta IIIC T80 / 95 / 130°C
Degree of protection		IP67 according to IEC/EN 60529 Standards
Ambiant temperature		- 40°C to +80°C / 75°C / 65°C The application is limited also by the temperature range of the valve..
Class of insulation		H 180°C
Electrical connection		Electric connection is done in the connection box on an easily accessible connector terminals. The introduction of the cable (Ø min 7 mm, Ømax. 11 mm, section max. 2.5 mm²) in the connection box passes by the built in M20 x 1.5 cable gland
Maximum supply voltage		28 VDC (N7) - 110 mA
Power	DC	Minimum 0.3 W (with 13 VDC)
	Maximum	1.2 W (with 24 VDC)
		Depending on applied voltage, IS barrier type and resistance of connected cable
Line check		4 mA or 5 VDC max
Coil resistance at 20°C		Charge ~ 550 Ω - Holding ~ 500 Ω
Impedance		0 mH
Apparent inductance		0 μF
Apparent capacitance		
Response time		2 - 3 s
Weight		500 g

To Order a Coil choose Coil Ref + Voltage Code, example: 495910 for 28 VDC = 495910N7

