

EXPLOSION PROOF ELECTRICAL PARTS

COIL GROUP

8.0

INTRINSICALLY SAFE ELECTRICAL PARTS "ia"



ZONE 0/20

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.

The plastic housing is delivered with M20 x 1.5 cable gland. Small size for ease of mounting in confined space.



Reference		495910		495910.02 (Blue Cable Gland)	
Certificate		LCIE 03 ATEX 6464 X - IECEx LCI 07.0006 X			
Coil Group		8.0			
Type of protection	Gas	II 1 G - Ex ta IIIC - T6 T5 T4		II 1 G - Ex ia IIB - T6 T5 T4	
	Dust	II 1 D - tD A20 - T80 T95 T130°C			
Degree of protection		IP67			
Ambiant temperature		- 40°C to +65°C / +75°C / +80°C The application is limited also by the temperature range of the valve..			
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		28 VDC (N7) - 280 mA	
Power	DC	Minimum	0.3 W (with 13 VDC)		0.3 W (with 13 VDC)
		Maximum	1.2 W (with 24 VDC)		2.58 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 28VDC = 495910N7

