



ZONE 0/20

496565 ELECTRICAL PARTS "BOOSTER"
"IS" 37 mm

This coil 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. Available only in 28 VDC (code: N7).



Reference		496565	
Certificate		LCIE 08 ATEX 6071 X - IECEx LCI 08.0030 X	
Coil group		9.0	
Type of protection	Gas	II 1 G - Ex ia IIC - T4 / T5 / T6	
	Dust	II 1 D - Ex ta IIC - T80 / T95 / T130°C	
Degree of protection		IP67 according to IEC/EN 60529 Standards	
Ambiant temperature		- 40°C to +80 / 75 / 65°C The application might also be limited by the temperature range of the valve.	
Electrical connection		Cable connection through a plastic cable gland M20 x 1.5 allowing use of cable diameter from 7 to 12 mm. Additional earth connection possible with external screw terminal.	
Class of insulation		H 180°C	
Minimum Courant of function		20 mA	
Minimum voltage of function at 60°C		28 VDC (N7)	
Safety parameters		28 V / 110 mA / 0.77 W	28 V / 280 mA / 1.96 W
Maximum acceptable values:		27 V / 120 mA / 0.81 W	27 V / 320 mA / 2.16 W
Ui (V) / Ii (mA) / Pi (W)		26 V / 135 mA / 0.88 W	26 V / 350 mA / 2.27 W
		25 V / 150 mA / 0.94 W	25 V / 390 mA / 2.43 W
		24 V / 170 mA / 1.02 W	24 V / 430 mA / 2.58 W
Line check		4 mA or 5 VDC max	
Apparent Impedance Typ.		Attraction ~ 600 Ω - Holding ~ 570 Ω	
Apparent Inductance		0 mH	
Apparent Capacitance		0 μF	
Response Time Typ.		2 - 4 s	
Weight		500 g	

To Order a Coil choose Coil Ref + Voltage Code,
example: 496565 for 28 VDC = 496565N7

