488670.01 - ELECTRICAL PARTS "IS" 50 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.

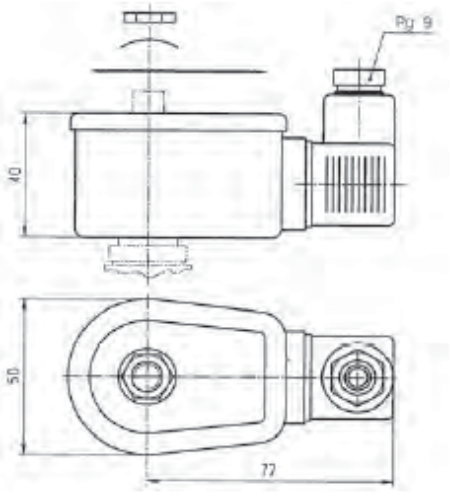
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia or ib IIC T6 is required.

Benefits: Rotatable 360° housing, epoxy-coated metal housing and cover. Coil, electronic circuits and other elements required for intrinsic safety are completely encapsulated in the housing with epoxy material for shock and corrosion protection.

Small size for ease of mounting in confined space.

Reference			488670.01
Certificate			LCIE 02 ATEX 6024 X
Coil group			7.0
Type of protection		Gas	II 1 G - Ex ia IIC - T6
		Dust	II 1 D - Ex ta IIIC - T80°C
Degree of protection			IP65
Ambiant temperature			- 40°C to +65°C The operating temperature of the valve/coil can be limited by that of the valve
Electrical connection			Cable entry through a cable gland M20 x1.5. Screw terminals for leads 3 x 1.5 mm² max. Additional earth connection possible with external screw terminal.
Maximum supply voltage			28 VDC (N7) - 110 mA The minimum operating voltage at maximum 60°C is 11.5 VDC.
Power	DC	Minimum	300 mW
		Maximum	3 W
			Dependent on the applied voltage, type of barrier SI and the resistance of the connected cable
Coil resistance at 20°C Impedance Apparent inductance Apparent capacitance			295 Ω 345 Ω 0 mH 0 µF
Weight			500 g

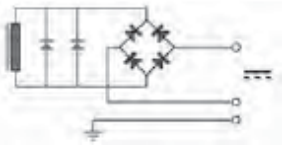
To Order a Coil choose Coil Ref + Voltage Code, example: 488670.01 for 28VDC = **488670.01N7**



Important

The intrinsic safety supply circuit must have sufficient capacitance in all ambient conditions to guarantee a minimum operating current in excess of **29 mA** across the coil.

The minimum current for holding in the energised position is 20 mA.



For the barrier compatibility see the corresponding table in appendix section.