

EXPLOSION PROOF ELECTRICAL PARTS

COIL GROUPS

6.0

FLAME PROOF ENCAPSULATED ELECTRICAL PARTS "db mb"



ZONE 1/21

495900 - LOW POWER ELECTRICAL PARTS 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 db mb 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 certified for use "db" protection. Small size for ease of mounting in confined space.



Reference		495900		
Certificate		LCIE 03 ATEX 6451 X - IECEx LCI 06.0004 X		
Coil Group		6.0		
Type of protection	Gas	II 2 G - Ex db mb IIC T4 / T5 / T6		II 2 G - Ex db mb IIC T5 / T6
	Dust	II 2 D Ex tb IIC - 130°C / 95°C / 80°C		II 2 D Ex tb IIC - 95°C / 80°C
Degree of protection		IP67		
Ambient temperature		-40°C to +65°C / +55°C / +40°C		-40°C to +65°C / +55°C
		The application is limited also by the temperature range of the valve.		
Class of insulation		H (180 °)		
Electrical connection		Electric connection is done in the connection box on an easily accessible connector terminals. The introduction of the cable (Ø min 5 mm, Ømax 11 mm, section max. 2.5 mm²) in the connection box passes by the built in M20 x 1.5 cable gland		
Elect. Power	DC	Pn (hot)	-	2 W
		P (cold) 20°C	-	2.5 W
	AC	Pn (holding)	2.5 W	-
		Attraction cold	3 W	-
Voltages "Un"		VAC/Hz	Code	VDC
-10% to +10% of Un for AC - 10 % to + 10 % for Un DC.		24/50	A2	24
		48/50	A4	48
		115/50	E5	110
		230/50	F4	
				Code
				C2
				C4
				C5

To Order a Coil: Coil Ref + Voltage Code, example: 495900 for 24VDC = 495900C2

