COIL GROUP

10.2/10.1

FLAME PROOF ENCAPSULATED ELECTRICAL PARTS "db mb"

ZONE 1/21

496555 & 496560 - ELECTRICAL PARTS 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 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			496555		496560	
Certificate			LCIE 07 ATEX 6075 X - IECEx LCI 07.0014X			
Coil Group			10.2		10.1	
Type of protection		Gas	II 2 G - Ex db mb IIC T4 / T5 / T6		II 2 G - Ex db mb IIC T4	
		Dust	II 2 D - Ex tb IIIC - T130 / 95 / 80°C		II 2 D - Ex tb IIIC - T130°C	
Degree of protection			IP 67			
Ambiant temperature			-40°C to +65°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)	-	6 W	-	8 W
		P (cold) 20°C	-	7.5 W	-	10.5 W
	AC	Pn (holding)	6 W	-	8 W	-
		Attraction cold	7.5 W	-	10.5 W	-

Voltages "Un"	VAC/Hz	Code	VDC	Code	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un	230/50-60	P9	24	C2	230/50-60	P9	24	C2
	110/50-60	P2	48	C4	110/50-60	P2	48	C4
	24/50-60	P0	110	C5	24/50-60	P0	110	C5
	48/50-60	S4			48/50-60	S4		

To Order a Coil choose Coil Ref + Voltage Code, example: 496555 for 24VDC = **496555C2**