COIL GROUP
10.2/10.1

FLAME PROOF ENCAPSULATED ELECTRICAL PARTS "db mb"

RoHS IECEx certified

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 Gb 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 together for the equipement. Small size for ease of mounting in confined space.



Reference			496555		496560	
ATEX/IECEx Certificates			IMQ 22 ATEX 020 X – IECEx IMQ 22.0002 X			
KCs Certificates			KTL 24-KA4BO-0465X / 0466X / 0467X / 0468X			
CCC Certificate			CCC 2021322307004013			
Coil Group			10.2		10.1	
Type of protection		II 2 G	Ex db mb IIC T4 / T5 / T6 Gb		Ex db mb IIC T4 Gb	
		II 2 D	Ex tb IIIC - T130°C / 95°C / 80°C Db		Ex tb IIIC - T130°C Db	
Degree of protection			**IP66/IP67** according to IEC/EN 60529 Standards			
Ex d enclosure			The «Ex d» enclosure can withstand a maximum pressure of 58 bar			
Environmental temperature			-40°C to +65 / 50 / 35°C		-40°C to +65°C	
			The thermal class depends on the environmental temperature as shown above			
			The application is limited also by the temperature range of the valve			
Insulation Class			H (180°C)			
Electrical connection			Electric connection is done in the connection box on easily accessible connector terminal. The introduction of the cable (Ø min 5 mm, Ø max 11 mm, section max. 2.5 mm², 2P+E) in the connection box passes by the built-in M20x1.5 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**



