

EXPLOSION PROOF ELECTRICAL PARTS

COIL GROUP

11.0

FLAME PROOF ELECTRICAL PARTS "db"



483270 & 483270.02 - ELECTRICAL PARTS 50 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 IIC T4 to T6 is required.

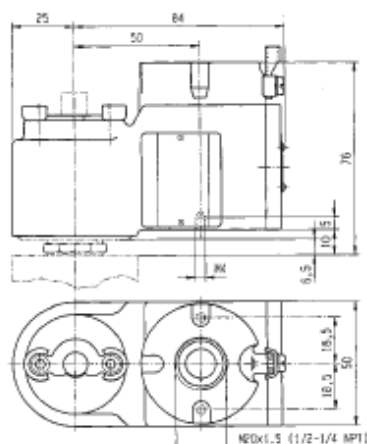
Benefits: Rotatable 360°, housing made of cast iron with internal connection chamber. Cover made of aluminium alloy fixed with 4 screws. The electromagnetic control pilot is composed of three main elements: housing, coil and plunger tube including housing plate.

Small size for ease of mounting in confined space.



Reference		483270 (M20 x 1.5) 483270.02 (1/2 NPT)			
Certificate		LCIE 02 ATEX 6008 X			
Coil group		11.0			
Type of protection	Gas	II 2 G - Ex db IIC T4	II 2 G - Ex db IIC T5	II 2 G - Ex db IIC T6	
	Dust	II 2 D - Ex tb IIIC - T130°C	II 2 D - Ex tb IIIC - T 95°C	II 2 D - Ex tb IIIC - T 80°C	
Degree of protection		IP66 with appropriate cable gland			
Ambient temperature		-40 to +80°C	-40°C to +75°C	-40°C to +60°C	
The application is limited also by the temperature range of the valve.					
Class of insulation		F (155 °)			
Electrical connection		The electrical connection is made within the housing connection chamber on an accessible screw terminal. The cable entry to the connecting chamber is made through 1/2" NPT thread suitable for fitting an approved Ex db IIC cable gland.			
Elect. Power	DC	Pn (hot)	8 W		
		P (cold) 20°C	9 W		
	AC	Pn (holding)	8 W		
		Attraction cold	9 W		
Weight		1100 g (with coil)			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50-60	P0	24	C2
		110-115/50-60	1P	48	C4
		220-230/50-60	3P	110	C5

To Order a Coil choose Coil Ref + Voltage Code, example: 483270 for 24VDC = 483270C2



Plunger tube:

The plunger tube is welded to the stainless steel plate and is thus integrated to the housing which is screwed on the valve body.
This electrical part is supplied only as complete unit mounted on a valve, as the "Ex db" protection depends on minimum gap between plunger tube, plate and housing.

