

COIL GROUP

1.1

ENCAPSULATED
ELECTRICAL PARTS
"mb"

ELECTRICAL PART LOW POWER 22 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 mb II T4 or T5 is required.

Benefits:

Coil and magnetic circuit encapsulated in synthetic material - offering shock and corrosion protection. AC coils with integrated thermal fuse. Small size for ease of mounting in confined spaces.



ZONE 1/21

Reference		482605		482606 or 482606.160*					
Certificate		LCIE 02 ATEX 6014 X - IECEx LCI 07.0026 X							
Coil Group		1.1							
Type of protection	Gas	II 2 G - Ex mb II T4		II 2 G - Ex mb II T4		II 2 G - Ex mb II T5			
	Dust	II 2 D - Ex tb IIIC - T130°C		II 2 D - Ex tb IIIC - T130°C		II 2 D - Ex tb IIIC - T 95°C			
Degree of protection		IP65 (with plug) according to IEC/EN 60529							
Ambiant temperature		-40°C to +50°C		-40°C to +65°C		-40°C to +40°C			
Insulation Class		The application is limited also by the temperature range of the valve. F 155°C							
Electrical connection		Cable connection (3 x 0.75 mm ²) encapsulated with coil, cable material according to application							
Elect. Power	DC	Pn (hot)	5 W		2.5 W				
		P (cold) 20°C	6.5 W		3 W				
	AC	Pn (holding)	4 W		2 W				
		Attraction cold	8.9 VA (5 W)		5.7 VA (2.5 W)				
Weight		150 g							
Voltages "Un"		VAC/Hz	Code	VDC	Code	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50	A2	24	C2	24/50	A2	24	C2
		110/50-115/50	0A	110	C5	48/50	A4	48	C4
		220/50-230/50	3D			110/50-115/50	0A	110	C5
						220/50-230/50	3D		

To Order a Coil choose Coil Ref + Voltage Code, example: 482605 for 24VDC = 482605C2

* 482606.160 - 6 m cable length

Fuses:

Both electrical parts 482605 & 482606 have to be connected in series with a safety fuse according to CEI 60127-3. Indicating example bellow:

482605:

DC: 12 V, 1000 mA - 24 V, 500 mA - 48 V, 200 mA - 110 V, 100 mA
AC 50 Hz: 24 V, 500 mA - 48 V, 250 mA - 110/115 V, 100 mA - 220/230 V, 3 mA
AC 60 Hz: 24 V, 630 mA - 110/115 V, 125 mA - 220/230 V, 63 mA

482606:

DC: 12 V, 400 mA - 24 V, 200 mA - 48 V, 100 mA - 110 V, 50 mA
AC 50 Hz: 24 V, 250 mA - 48 V, 125 mA - 110/115 V, 63 mA - 220/230 V, 32 mA
AC 60 Hz: 24 V, 315 mA - 110/115 V, 63 mA - 220/230 V, 32 mA

