

A COMPLETE RANGE OF COILS, HOUSINGS AND ELECTRICAL PARTS FOR SOLENOID VALVES



DEFINITIONS

HOUSINGS OR COIL ASSEMBLY KITS, COILS AND ELECTRICAL PARTS



Housing:

We define a **housing** as the combination of the fixing elements including the nameplate **1**, the cover **2** or the subplate **6** and the envelope itself **4** or **5** which protects the coil and its electrical components. The housings may be made of metal or plastic material.

Coil assembly kit:

The coil assembly kit **7** or **9** is the set comprising a plate, washer and nut. Sometimes coil assembly kits consist only of a nut or a special fixing device.

Coil:

This consists of the winding and its plastic moulding. There are three different types of coils distinguished by their shape and dimensions: 40 mm **3**, 32 mm **8** and 22 mm **10**.

Electric part:

The electric part is the set comprising the housing, the assembly kit and the coil.

Attention:

Any Parker FCDE coil or electrical part may be energised only when mounted on a valve. Otherwise there is a risk of damaging the product and its surroundings (overheating, explosion, fire, etc.).

TABLE OF CONTENT

INTRODUCTION

Index for Explosion Proof Electrical Parts.....	442
List of Coil Groups	443

COILS

Coils for DIN plug connection.....	446
Coils with flying leads.....	469
Coils with screw terminal.....	474
Coils with ISO-DIN connector.....	481

EXPLOSION PROOF ELECTRICAL PARTS

Level of protection "nAc nCc"	484
Level of protection "db"	492
Level of protection "mb"	494
Level of protection "db mb"	499
Level of protection "eb"	504
Level of protection "eb mb"	505
Level of protection "ia"	508

HOUSINGS	518
-----------------------	-----

COIL ACCESSORIES	522
-------------------------------	-----

EXPLOSIVE ENVIRONMENTS	524
-------------------------------------	-----

COIL APPENDICES

Guidance chart for IS-Barriers.....	534
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INDEX FOR EXPLOSION PROOF ELECTRICAL PARTS

Coil Reference	Coil Group	Designation	Power DC Pn (W)	Power AC Pn (W)	Ambient Temperature	UL	Degree of Protection	ATEX or NEMA 4X Protection (Gas)	Page
496637	1.2	Explosion proof electrical part "nAc nCc", 22 mm, double frequency	3.0	3.0	-20°C to +50°C	-	IP65	II 3 D Ex tc IIC T 95°C	485
495880	2.0/2.2	Explosion proof electrical part "nAc nCc", 32 mm	14.0	14.0	-40°C to +50°C	-	IP65	II 3 G Ex nAc nCc IIC T3	489
496155	2.0/2.2	Explosion proof increased safety electrical part "nAc nCc", 50 mm	14.0	14.0	-40°C to +65°C	-	IP67	II 3 G Ex nAc nCc IIC T3	491
495915	4.0	Explosion proof increased safety electrical part "nAc nCc", 50 mm	13.0	11.0	-40°C to +65°C	-	IP67	II 3 G Ex nAc nCc IIC T3	490
495870	2.0/2.1	Explosion proof electrical part "nAc nCc", 32 mm	9.0	8.0	-40°C to +50°C	-	IP65	II 3 G Ex nAc nCc IIC T3/T4	486
495875	3.0	Explosion proof electrical part "nAc nCc", 32 mm	7.0	6.0	-40°C to +50°C	-	IP65	II 3 G Ex nAc nCc IIC T3/T4	488
496110	2.0/2.1	Explosion proof electrical part "nAc nCc", 32 mm	-	9.0	-40°C to +50°C	-	IP65	II 3 G Ex nAc nCc IIC T3/T4	486
495865	1.1	Explosion proof electrical part "nAc nCc", low power, 22 mm	2.5	2.0	-40°C to +50°C	-	IP65	II 3 G Ex nAc nCc IIC T5	484
496125	6.0	Explosion proof electrical part "nAc nCc", low power, 32 mm	1.6	-	-40°C to +50°C	-	IP65	II 3 G Ex nAc nCc IIC T5/T6	487
492670	2.0/2.1	Explosion proof encapsulated electrical part "mb", 32 mm	9.0	8.0	-40°C to +50°C	-	IP65	II 2 G Ex mb IIC T4	495
482605	1.1	Explosion proof encapsulated electrical part "mb", 32 mm	5.0	4.0	-40°C to +65°C	-	IP65	II 2 G Ex mb IIC T4/T5	494
482606	1.1	Explosion proof encapsulated electrical part "mb", low power, 32 mm	2.5	2.0	-40°C to +65°C	-	IP65	II 2 G Ex mb IIC T4/T5	494
492070	2.0/2.1	Explosion proof encapsulated electrical part "mb", with water proof metal housing, 50 mm	8.0	9.0	-40°C to +65°C	-	IP67	II 2 G Ex mb IIC T4/T5	496
HZ10	2.0/2.1	Explosion proof encapsulated electrical part "mb", double frequency	8.0	8.0	-40°C to +85°C	-	IP65	II 2 G - Ex mb IIC T3/T4/T5	497
HZ11	2.0/2.2	Explosion proof encapsulated electrical part "mb", double frequency	14.0	14	-40°C to +85°C	-	IP65	II 2 G - Ex mb IIC T3/T4/T5	498
483270	11.0	Flame proof electrical part "db", 50 mm	8.0	8.0	-40°C to +80°C	-	IP66	II 2 G Ex db IIC T4/T5/T6	492
497105	10.3	Flame proof electrical part "db", 50 mm	8.0	8.0	-50°C to +80°C	-	IP66	II 2 G Ex db IIC T4/T5/T6	493
493640	2.0/2.1	Flame proof encapsulated electrical part "db mb", double frequency	8.0	8.0	-40°C to +75°C	-	IP65	II 2 G Ex db mb IIC T4/T5	503
495905	2.0/2.1	Flame proof encapsulated electrical part "db mb", 37 mm	8.0	8.0	-40°C to +65°C	-	IP67	II 2 G Ex db mb IIC T4	500
496560	10.1	Flame proof encapsulated electrical part "db mb", 37 mm	8.0	8.0	-40°C to +65°C	-	IP67	II 2 G Ex db mb IIC T4	501
496800	10.1	Flame proof encapsulated electrical part "db mb", 37 mm	8.0	8.0	-40°C to +65°C	-	IP67	II 2 G Ex db mb IIC T4	502
495900	6.0	Flame proof encapsulated electrical part "db mb", low power, 37 mm	2.0	2.5	-40°C to +65°C	-	IP67	II 2 G Ex db mb IIC T4/T5/T6	499
496555	10.2	Flame proof encapsulated electrical part "db mb", 37 mm	6.0	6.0	-40°C to +65°C	-	IP67	II 2 G Ex db mb IIC T4/T5/T6	501
496700	10.2	Flame proof encapsulated electrical part "db mb", 37 mm	6.0	6.0	-40°C to +65°C	-	IP67	II 2 G Ex db mb IIC T4/T5/T6	502
494040	2.0/2.1	Explosion proof increased safety electrical part "eb", 50 mm	8.0	8.0	-40°C to +90°C	-	IP67	II 2 G Ex eb IIC T3/T4	504
483371	2.0/2.1	Explosion proof increased safety electrical part "eb", 50 mm	8.0	8.0	-40°C to +65°C	-	IP67	II 2 G Ex eb IIC T4	504
492190	2.0/2.1	Explosion proof increased safety and encapsulated elect. part "eb", 50 mm	9.0	11.0	-40°C to +75°C	-	IP66	II 2 G Ex eb mb IIC T3/T4	507
492310	10.1	Explosion proof increased safety and encapsulated electrical part "eb", 50 mm	6.0	6.0	-40°C to +75°C	-	IP66	II 2 G Ex eb mb IIC T4/T5	505
492210	9.0	Explosion proof increased safety and encapsulated electrical part "eb", "Booster", 50 mm	1.0 to 1.8	-	-40°C to +75°C	-	IP66	II 2 G Ex eb mb IIC T5/T6	506
495910	8.0	Explosion proof intrinsically safe electrical part "ia", "booster", 37 mm	0.3 to 1.2	-	-40°C to +80°C	-	IP67	II 1 G Ex ia IIC T4/T5/T6	509
496565	9.0	Explosion proof intrinsically safe electrical part "ia", "Booster", 37 mm	0.77 to 2.58	-	-40°C to +80°C	-	IP67	II 1 G Ex ia IIC T4/T5/T6	510
483580.01	7.0	Explosion proof intrinsically safe electrical part "ia", 32 mm	3.0	-	-40°C to +55°C	-	IP65	II 1 G Ex ia IIC T6	508
488650.01	7.0	Explosion proof intrinsically safe electrical part "ia", 50 mm	0.3 to 3.0	-	-40°C to +65°C	-	IP66	II 1 G Ex ia IIC T6	513
488660.01	7.0	Explosion proof intrinsically safe electrical part "ia", 50 mm	3.0	-	-40°C to +65°C	-	IP67	II 1 G Ex ia IIC T6	514
488670.01	7.0	Explosion proof intrinsically safe electrical part "ia", 50 mm	0.3 to 3	-	-40°C to +65°C	-	IP65	II 1 G Ex ia IIC T6	515
492965.01	9.0	Explosion proof intrinsically safe electrical part "ia", "Booster", 50 mm	0.3 to 2.3	-	-40°C to +65°C	-	IP66	II 1 G Ex ia IIC T6	511
482870.01	12.0	Explosion proof intrinsically safe electrical part "ia", 50 mm	3.0	-	-40°C to +65°C	-	IP66	II 1 G Ex ia IIC T6	512
490885	7.0	Explosion proof intrinsically safe electrical part, "NEMA", 50 mm	3.0	-	-40°C to +60°C	-	NEMA 4 - 4X	Cl. I, Div.I, Gr. A, B, C, D	513
490890	7.0	Explosion proof intrinsically safe electrical part, "NEMA", 50 mm	3.0	-	-40°C to +60°C	-	NEMA 4 - 4X	Cl. I, Div.I, Gr. A, B, C, D	514
492335	12.0	Explosion proof intrinsically safe electrical part, "NEMA", 50 mm	3.0	-	-40°C to +60°C	-	NEMA 4 - 4X	Cl. I, Div.I, Gr. A, B, C, D	512

LIST OF COIL GROUPS

Parker coils and electrical parts are classified by groups determining their compatibility with Parker solenoid valves.

Group	For application with
1.1	Standard valves or on 2000 Series with standard pilot
1.2	Standard valves or on 2000 Series for high flow
1.3	Standard valves or on 2000 Series of W coil
2.0	Standard valves or on 7000 Series with standard pilot
2.1	Standard valves or on 7000 Series, for coils 8 - 9 W
2.2	Standard valves or on 7000 Series, for coils 14 W
3.0	Standard valves or on 7000 Series with reduced power
4.0	Standard valves or on 7000 Series, for bistable (Impulse) coils or electrical parts
6.0	Special valves "97" or on 7000 Series, for Intrinsically safe coils or electrical parts
7.0	Special valves "90", for coils and intrinsically safe electrical parts
8.0	Special valves "97" or on 7000 Series, for Intrinsically safe coils or electrical parts with booster
9.0	Special valves "xx" or on 9000 Series, for Intrinsically safe coils or electrical parts with booster
10.1	Standard valves or on 9000 Series with standard pilot
10.2	Standard valves or on 9000 Series "db mb"
10.3	Special valves or on 8000 Series "d"
11.0	Standard valves or on 9000 Series "1D"
12.0	Standard valves or on 9000 Series with manual reset
13.0	Special valves or on 7000 Series for Transportation
14.1	Special valves or on 7000 Series for Oil Burners
14.2	Special valves or on 7000 Series for Oil Burners
14.3	Special valves or on 7000 Series for Oil Burners
20.1	Standard valves or on 7000 Series for Z-Y coil
20.2	Standard valves or on 7000 Series for Z-Y "High Power" coil
21.0	Standard valves or on 7000 Series for J-B coil
22.0	Standard valves for KP-KT-KH coil
23.0	Standard valves for XP-XT coil for Oil Burners
24.0	Standard valves for Liquepure coils for Beverage Dispensing

TABLE OF CONTENT

INTRODUCTION

Index for Explosion Proof Electrical Parts.....	442
List of Coil Groups.....	443

COILS

Coils for DIN plug connection.....	446
Coils with flying leads.....	469
Coils with screw terminal.....	474
Coils with ISO-DIN connector.....	481

EXPLOSION PROOF ELECTRICAL PARTS

Level of protection "nAc nCc".....	484
Level of protection "db".....	492
Level of protection "mb".....	494
Level of protection "db mb".....	499
Level of protection "eb".....	504
Level of protection "eb mb".....	505
Level of protection "ia".....	508

HOUSINGS.....	518
---------------	-----

COIL ACCESSORIES.....	522
-----------------------	-----

EXPLOSIVE ENVIRONMENTS.....	524
-----------------------------	-----

COIL APPENDICES

Guidance chart for IS-Barriers.....	534
-------------------------------------	-----



COILS 32 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		Standard			Double frequency		
Ref. (without DIN plug)		481865			483510		
Ref. (with DIN plug)		482725			482635		
Coil Group		2.0 / 2.1					
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).					
Class of insulation		F 155°C					
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A					
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.					
Elect. Power	DC	Pn (hot)	9 W	-			
		P (cold) 20°C	12 W	-			
	AC	Pn (holding)	8 W	9 W			
		Attraction cold	26 VA (9 W)	32 VA (10 W)			
Weight		130 g (without plug)					
Voltages "Un"		VAC/Hz	Code	VDC	Code	VAC/Hz	Code
-10% to +10% of the Un		24/50	A2	24	C2	24/50, 24/60	P0
		48/50	A4	48	C4	48/50, 48/60	S4
		110/50	A5	110	C5	110-115/50, 120/60	S5
		220-230/50	3D			220-240/50, 240/60	S6

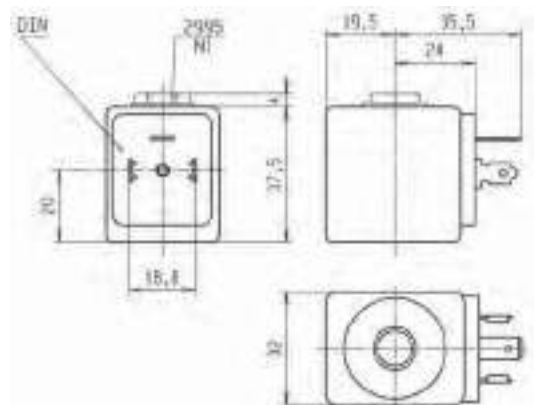
To Order a Coil choose Coil Ref + Voltage Code, example: 481865 for 24 VDC = 481865C2

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 2995** corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



COIL GROUP
2.0/2.1
2.2

COILS FOR DIN PLUG CONNECTION



HIGH TEMPERATURE COILS 32 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.
 See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		High temperature				High temp. + high power				
Ref. (without DIN plug)		492453				492425				
Ref. (with DIN plug)		492726				492727				
Coil Group		2.0 / 2.1				2.0 / 2.2				
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).								
Class of insulation		H 180°C								
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A								
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.								
Elect. Power	DC	Pn (hot)	9 W				14 W			
		P (cold) 20°C	12 W				21 W			
	AC	Pn (holding)	8 W				14 W			
		Attraction cold	26 VA (9 W)				55 VA (18 W)			
Weight		130 g (without plug)								
Voltages "Un"		VAC/Hz	Code	VDC	Code	VAC/Hz	Code	VDC	Code	
-10% to +10% of the Un		24/50	A2	12	C1	24/50	A2	24	C2	
		48/50	A4	24	C2	110/50	A5			
		110/50	A5	48	C4	230/50	F4			
		220/50-230/50	3D	110	C5					

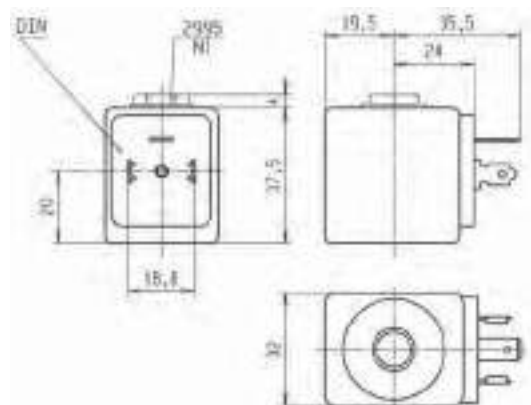
To Order a Coil choose Coil Ref + Voltage Code, example: 492453 for 24 VDC= **492453C2**

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 2995** corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.





REDUCED POWER COIL 32 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



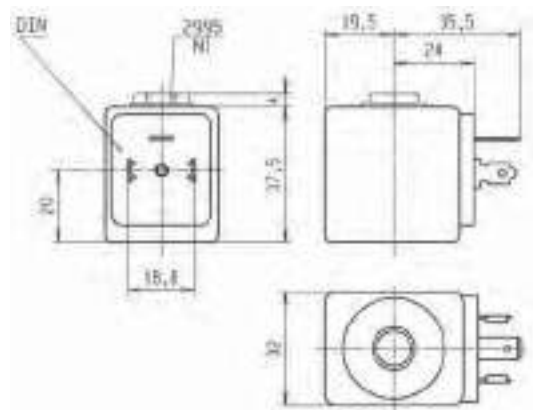
Specification		Reduced power			
Ref. (without DIN plug)		482730			
Ref. (with DIN plug)		482735			
Coil Group		3.0			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation		F 155°C			
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	7 W		
		P (cold) 20°C	9 W		
	AC	Pn (holding)	6 W		
		Attraction cold	20 VA (7 W)		
Weight		130 g (without plug)			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		48/50	A4	24	C2
		220-230/50	3D	48	C4

To Order a Coil choose Coil Ref + Voltage Code, example: 482730 for 24 VDC = **482730C2**
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 2995** corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



LOW POWER COIL 32 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		Miniwatt	
Reference (without DIN plug)		482740	
Reference (with DIN plug)		482745	
Coil Group		6.0	
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation		F 155°C	
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A	
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	1.6 W
		P (cold) 20°C	2.1 W
	AC	Pn (holding)	-
		Attraction cold	-
Weight		130 g (without plug)	
Voltages "Un"		VDC	Code
-10% to +10% of the Un		24	C2
		48	C4
		110	C5

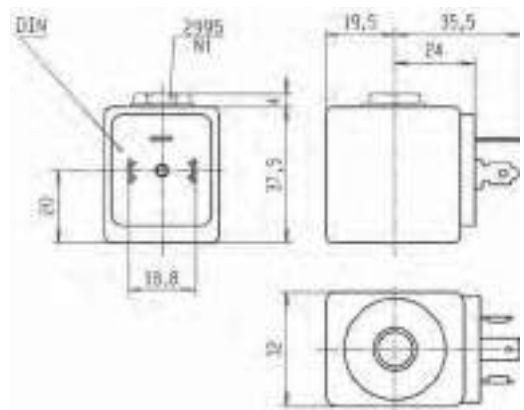
To Order a Coil choose Coil Ref + Voltage Code, example: 482740 for 24 VDC = **482740C2**

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 2995** corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.





UL COIL 32 mm

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc. Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section)



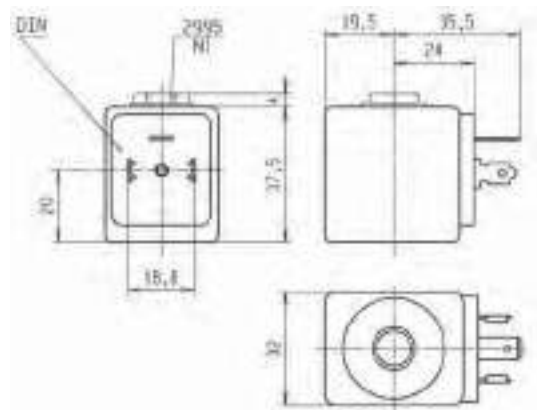
Specification		UL-recognized coil - UL File E200N - designation AMIF			
Reference (without DIN plug)		491514			
Coil Group		2.0 / 2.1			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation		F (155°C)			
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A			
Ambient temperature		-40°C to 50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	-	12 W	
		P (cold) 20°C	-	16 W	
	AC	Pn (holding)	11 W	-	
		Attraction cold	40 VA (13 W)	-	
Weight		130 g (without plug)			
Voltages "Un"		VAC/Hz	Code	VDC	Code
- 15% to +10% of the Un		110/50-120/60 220/50-240/60	P3 Q3	24	C2

To Order a Coil choose Coil Ref + Voltage Code, example: 491514 for 24 VDC = 491514C2
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit Ref. 2995 with non UL valve and Ref. 2995.03 with UL valve correspond to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



14.2

COILS FOR
DIN PLUG CONNECTION



UL COIL 32 mm

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		Coil for oil burner - UL recognized	
Reference (without DIN plug)		483764	
Coil group		14.2	
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation		F 155°C	
Electrical connection		With DIN 43650 A Plug	
Ambient temperature		-40°C to 50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	-
		P (cold) 20°C	-
	AC	Pn (holding)	9 W
		Attraction cold	-
Weight		138 g	
Voltages "Un"		VAC/Hz	Code
- 15% to +10% of the Un		240/50-60	Q1
		110/50-115/60	Q9
		230/50-240/60	T1

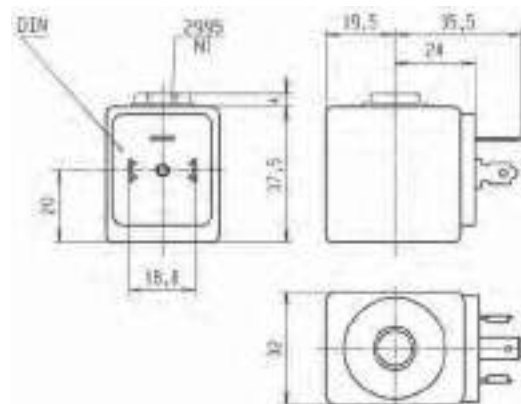
To Order a Coil choose Coil Ref + Voltage Code, example: 483764 for 240/50-60 = 483764Q1

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 2995** corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil - voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



2.2

COILS FOR
DIN PLUG CONNECTION



COIL 32 mm FOR JET VALVES

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section)



Specification		32 mm coil 14 W			
Reference		483816			
Coil Group		2.2			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation		F 155°C			
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	14 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	14 W		
		Attraction cold	-		
Weight		160 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50	A2	24 V	C2

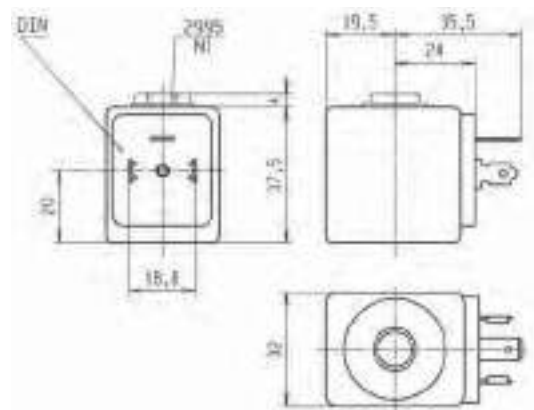
To Order a Coil choose Coil Ref + Voltage Code, example: 483816 for 24 VDC = 483816C2

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit Ref. 2995 corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.





COILS 22 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

This coil is designed for valves equipped with a miniature tube assembly (2000 series valves). This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.
Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.
Coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		Low power			High power				
Ref. (without DIN plug)		488980			481180				
Ref. (with DIN plug)		481045			481530				
Coil Group		1.1							
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).							
Class of insulation		F 155°C							
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type B.							
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.							
Elect. Power	DC	Pn (hot)	2.5 W			5 W			
		P (cold) 20°C	3 W			6.5 W			
	AC	Pn (holding)	2 W			4 W			
		Attraction cold	5.7 VA (2.5 W)			8.9 VA (5 W)			
Weight		100 g with DIN Plug							
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
		48/50	A4			48	C4		
		110/50-115/50	0A	110	C5	220/50-230/50	3D		
		220/50-230/50	3D						

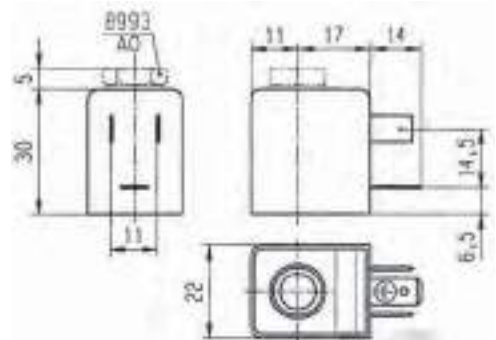
To Order a Coil choose Coil Ref + Voltage Code, example: 488980 for 24 VDC = **488980C2**

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 8993** corresponds to the numbering system for Lucifer® valve housings (Valve - housing - coil/voltage).

It is composed of a nameplate with the details of the valve type, a washer and a nut to secure the 22 mm coil to the valve.





UL COIL 22 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This coil is designed for valves equipped with a miniature tube assembly (2000 series valves). This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc. Coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.



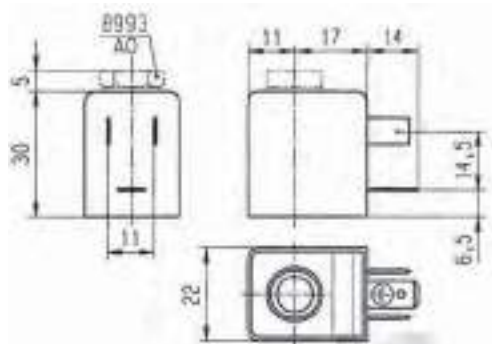
Specification		Standard UL (only if used with 321K, 121M, 131M valves)			
Reference (without DIN plug)		492912			
Reference (with DIN plug)		492919			
Coil Group		1.1			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation		A 105°C for UL/CSA			
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type B.			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	4 W		
		P (cold) 20°C	4,5 W		
	AC	Pn (holding)	3 W		
		Attraction cold	7.5 VA (4 W)		
Weight		100 g with DIN Plug			
Voltages "Un"		VAC/Hz	Code	VDC	Code
- 15% to +10% of the Un		48/50-48/60	S4	24	C2
		115/50-120/60	P8		

To Order a Coil choose Coil Ref + Voltage Code, example: 492912 for 24 VDC = **492912C2**
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 8993** corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 22 mm coil and the valve.





DOUBLE FREQUENCY COIL 22 mm

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This coil is designed for valves equipped with a miniature tube assembly (2000 series valves). This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc. Coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).



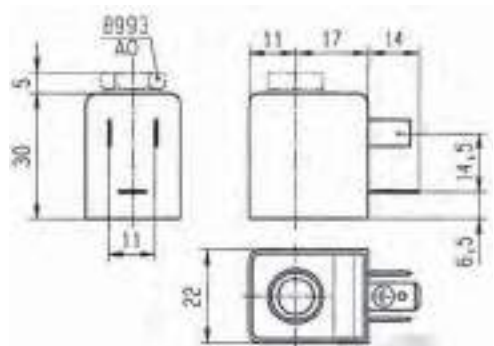
Specification		Double frequency	
Reference (without DIN plug)		483590	
Coil group		1.1	
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation		F 155°C	
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type B.	
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	-
		P (cold) 20°C	-
	AC	Pn (holding)	3 W
		Attraction cold	7.5 VA (4 W)
Weight		100 g with DIN Plug	
Voltages "Un"		VAC/Hz	Code
-10% to +10% of the Un		24/50-60	P0
		48/50-60	S4
		110-115/50, 120/60	S5
		220-240/50, 240/60	S6

To Order a Coil choose Coil Ref + Voltage Code, example: 483590 for 24/50,24/60 = **483590P0**
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 8993** corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 22 mm coil and the valve.





DOUBLE FREQUENCY COIL 22 mm

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This coil is designed for valves equipped with a miniature tube assembly (2000 series valves). This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).



Specification		Double frequency	
Reference (without DIN Plug)		488143	
Coil group		1.1	
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation		F 155°C	
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type B.	
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	-
		P (cold) 20°C	-
	AC	Pn (holding)	2.5 W
		Attraction cold	-
Weight		60 g	
Voltages "Un"		VAC/Hz	Code
-10% to +10% of the Un		100/50-60	P1
		200/50-60	P6

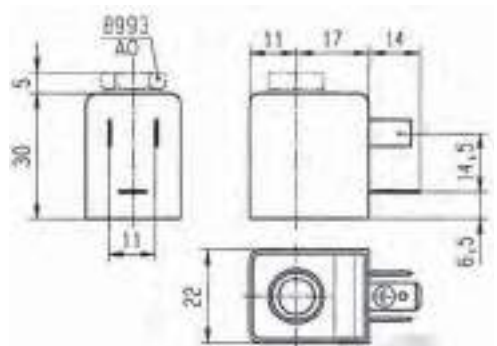
To Order a Coil choose Coil Ref + Voltage Code, example: 488143 for 100/50-60 = 488143P1

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 8993** corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 22 mm coil and the valve.





DOUBLE FREQUENCY COIL 22 mm

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This coil is designed for valves equipped with a miniature tube assembly (2000 series valves). This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

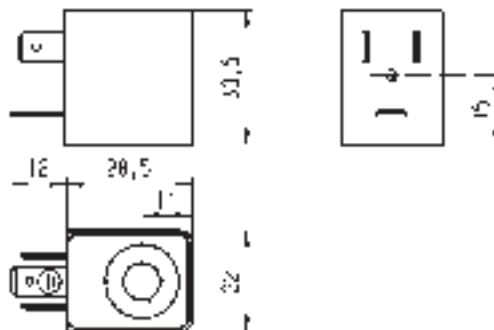
The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc. Coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive. DIN plug connector to be ordered separately (see coil accessories section).



Specification		Double frequency			
Reference (without DIN Plug)		496131			
Coil group		1.2			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation		F 155°C			
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type B.			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	3 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	3 W		
		Attraction cold	-		
Weight		60 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50-60	P0	24 V	C2
		110/50-60	P2	48 V	C4
		230/50-60	P9	110 V	C5
		48/50-60	S4		

To Order a Coil choose Coil Ref + Voltage Code, example: 496131 for 24 VDC = **496131C2**
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

"The housing kit is already included in the valve reference, it is not needed to order it separately."





DOUBLE FREQUENCY COIL 22 mm

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This coil is designed for valves equipped with a miniature tube assembly (2000 series valves). This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

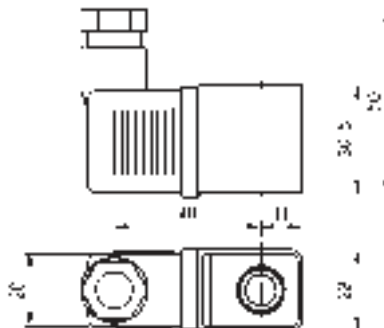
DIN plug connector included.



Specification		Double frequency			
Reference		496482			
Coil group		1.2			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation		F 155°C			
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type B.			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	3 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	3 W		
		Attraction cold	-		
Weight		75 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50-60	P0	24 V	C2
		110/50-60	P2	48 V	C4
		230/50-60	P9	110 V	C5
		48/50-60	S4		

To Order a Coil choose Coil Ref + Voltage Code, example: 496482 for 24 VDC = 496482C2
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

"The housing kit is already included in the valve reference, it is not needed to order it separately."



COIL GROUP

1.3

COILS FOR
DIN PLUG CONNECTION



WB COIL SERIES 22 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

These coils can be mounted with the majority of type 2 operators. Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber. IP65 protection rate with DIN 43650A three pin connector and appropriate gasket.

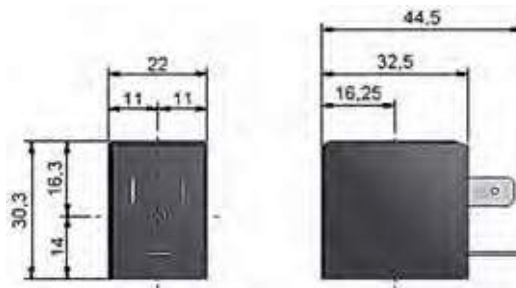
The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Coils conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive. For UL recognized version: UL file MH19410.

DIN plug connector to be ordered separately (see coil accessories section).



Specification		Standard		UL recognized version		High Power	
Ref. (without DIN plug)		WB4.5 for AC WB5.0 for DC		WB4.5 UR WB5.0 cURus (only 24 VDC)		WB8.0	
Coil Group				1.3			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug + gasket)					
Class of insulation		F 155°C		F 155°C		F 155°C	
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type B.					
Ambient temperature		-10°C to +50°C		-10°C to +50°C		-10°C to +50°C	
		The application is limited also by the temperature range of the valve.					
Elect. Power	DC	P (cold) 20°C	5 W				
	AC	Pn (holding)	4.5 W	4.5 W		8 W	
		Attraction cold	7.5 VA	7.5 VA		11 VA	
Weight		90 g (without plug)					
Voltages "Un"		WB4.5 VAC/Hz	Order Number	WB4.5 UR VAC/Hz	Order Number	WB8.0 VAC/Hz	Order Number
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC		100/50-60	302609	115/60	304087	115/50-60	302672
		115/50-60	304260	208-240/60	304089	230/50-60	302674
		230/50-60	304262J	24/60	304086	24/50-60	302670
		110/50	304316				
		WB5.0 VDC	Order Number	WB5.0 cURus VDC	Order Number		
		110 VDC	302660	24 VDC	302654		
		12 VDC	302652				

To Order a Coil: Use 6 digits ordering number - Code Example: WB8.0 for 115/50-60 = 302672
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





ZB COIL SERIES

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber. IP65 protection rate with EN 175301-803:2006-A. Three pin connector.

This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

For UL recognized version: UL file MH19410.

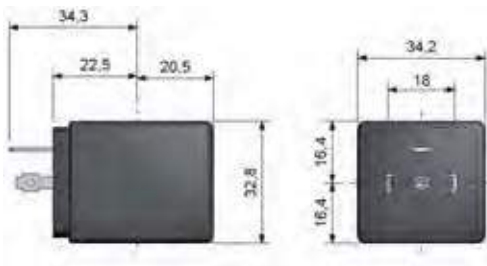
DIN plug connector to be ordered separately (see coil accessories section).



Specification		Standard			UL recognized version		
Reference (without DIN plug)		ZB09/ZB12			ZB09 for AC only		
Coil Group		20.1					
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug and gasket)					
Class of insulation		F 155°C					
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 - type A					
Ambient temperature		-10°C to +50°C The application is limited also by the temperature range of the valve.					
Elect. Power	DC	P (cold) 20°C			12 W		
	AC	P (cold) 20°C			9 W		
		Attraction cold			25 VA		
Weight					130 g		
Voltages "Un"		VAC/Hz	Order Number	VDC	Order Number	VAC/Hz	Order Number
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC.		ZB09 24/50-60	304004	ZB12 12DC	304018	ZB09 24/60	304048
		ZB09 12/50-60	304002	ZB12 24DC	304020	ZB09 110-120/60	304011
		ZB09 230/50-60	304012	ZB12 110DC	304022	ZB09 208-240/60	304051
		ZB09 115/50-60	304010	ZB12 48VDC	304021		
		ZB09 100/50-60	304009				
		ZB09 240/50-60	304014				
		ZB09 48/50-60	304008				
		ZB09 110-120/60	304011				
ZB09 380/50-60	304016						

To Order a Coil: Use 6 digits ordering number - Code Example: ZB09 24/50-60 = 304004

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





ZB/ZH HIGH POWER - HIGH TEMPERATURE COIL SERIES

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber.
IP65 protection rate with EN 175301-803:2006-A. Three pin connector.

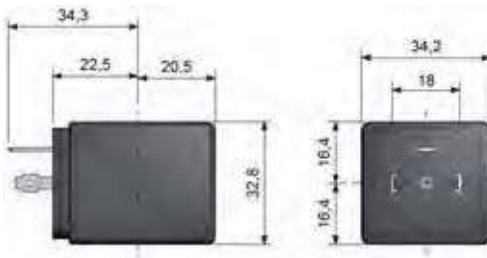
This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).



Specification		High power		High temperature + high power					
Ref. (without DIN plug)		ZB14/ZB16		ZH14/ZH16					
Coil Group		20.2							
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug and gasket)							
Class of insulation		H 180°C							
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 - type A							
Ambient temperature		ZB14/ZB16 -10°C to +50°C		ZH14/ZH16 -10°C to +80°C					
		The application is limited also by the temperature range of the valve.							
Elect. Power	DC	P (cold) 20°C		16 W					
	AC	P (cold) 20°C		14 W					
		Attraction cold		33 VA					
Weight		130 g (without plug)							
Voltages "Un"		VAC/Hz	Order Number	VDC	Order Number	VAC/Hz	Order Number	VDC	Order Number
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC		ZB14 12/50-60	304052	ZB16 12DC	304068	ZH14 24/50-60	304100	ZH16 24DC	304112
		ZB14 24/50-60	304054	ZB16 24DC	304070	ZH14 115/50-60	304102	ZH16 12DC	304110
		ZB14 100/50-60	304084	ZB16 110DC	304072	ZH14 230/50-60	304104		
		ZB14 115/50-60	304060						
		ZB14 230/50-60	304062						
		ZB14 240/50-60	304064						
		ZB14 380/50-60	304066						
		ZB14 48/50-60	304058						

To Order a Coil: Use 6 digits ordering number - Code Example: ZH16 for 24 VDC = 304112
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





JB COIL SERIES

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber. IP65 protection rate with EN 175301-803:2006-A. Three pin connector.

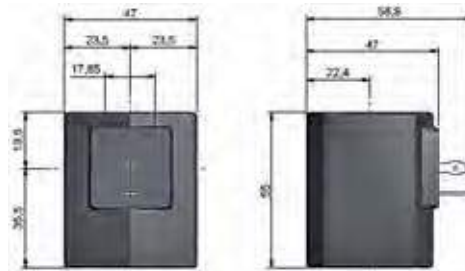
This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).



Specification		Standard			
Ref. (without DIN plug)		JB14/JB16			
Coil Group		21.0			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug and gasket)			
Class of insulation		F 155°C			
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 - Type A			
Ambient temperature		-10°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	P (cold) 20°C	16 W		
	AC	P (cold) 20°C	14 W		
		Attraction cold	55 VA		
Weight		130 g (without plug)			
Voltages "Un"		VAC/Hz	Order Number	VDC	Order Number
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC.		JB14 24/50-60	304900	JB16 12DC	304945
		JB14 115/50-60	304910	JB16 24DC	304950
		JB14 230/50-60	304915	JB16 196DC	304958
		JB14 240/50-60	304920		

To Order a Coil: Use 6 digits ordering number - **Code Example:** JB16 for 12 VDC = 304945
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





KT/KH COIL SERIES

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber. IP65 protection rate with EN 175301-803:2006-A. Three pin connector.

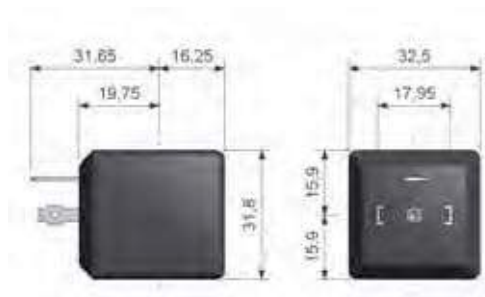
This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).



Specification			Standard			High Temperature		
Ref. (without DIN plug)			KT09/KT10			KH09		
Coil Group			22.0					
Degree of protection			IP65 according to IEC / EN 60529 standards (with DIN plug and gasket)					
Class of insulation			F 155°C			H 180°C		
Electrical connection			The coil is connected with a 2 P + E plug according to EN 175301-803 - Type A					
Ambient temperature			-10°C to +50°C			-10°C to +80°C		
			The application is limited also by the temperature range of the valve.					
Elect. Power	DC	P (cold) 20°C	10 W			-		
	AC	P (cold) 20°C	9 W			9 W		
		Attraction cold	20 VA			20 VA		
Weight			150 g (without plug)					
Voltages "Un"		VAC/Hz	Order Number	VDC	Order Number	VAC/Hz	Order Number	
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC		KT09 24/50	304621	KT10 12DC KT10 24DC	304666 304971	KH09 24/50 KH09 230/50	304746 304748	
		KT09 115/50	304631					
		KT09 208-230/60	304656					
		KT09-230/50	304639					
		KT09 240/50	304641					

To Order a Coil: Use 6 digits ordering number - Code Example: KT10 for 12VDC = 304666
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.



XT09 COIL SERIES

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber. IP54 protection rate with special 2P+E connection. Special plug with integrated powercord available separately.

This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

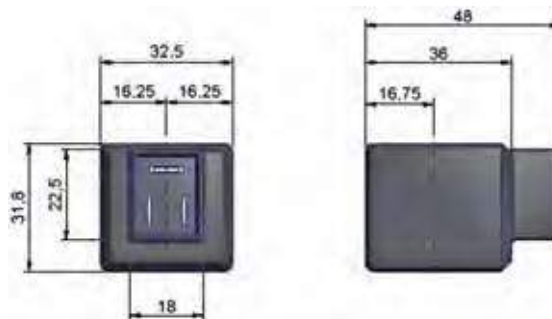
DIN plug connector to be ordered separately (see coil accessories section).



Specification		For Heating Applications	
Ref. (without DIN plug)		XT09	
Coil Group		23.0	
Degree of protection		IP54 according to IEC / EN 60529 standards (with special plug supplied separately)	
Class of insulation		F 155°C	
Electrical connection		Special 2 P + E plug connection	
Ambient temperature		-10°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	P (cold) 20°C	-
	AC	P (cold) 20°C	9 W
		Attraction cold	22 VA
Weight		150 g (without plug)	
Voltages "Un"		VAC/Hz	Order Number
-10% to +10% of Un for AC		XT09 230/50	304776

To Order a Coil: Use 6 digits ordering number - Code Example: XT09 230/50 = 304776

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





D4 SERIES - UL COILS 32 mm

This coil is UL-approved as a recognized component for the insulation Class 155, conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

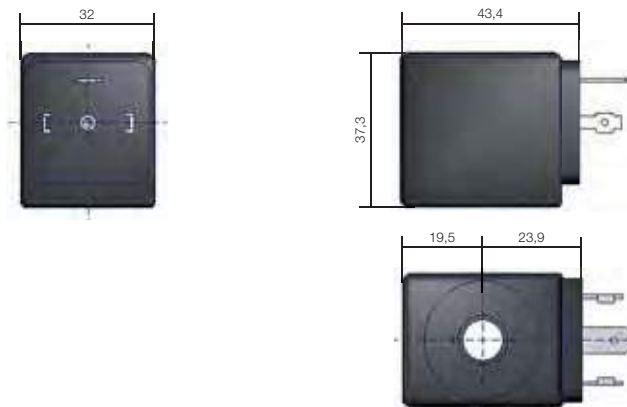
DIN plug connector to be ordered separately (see coil accessories section).



Specification		UL Recognized			
Reference (without DIN plug)		D4 Series			
Coil group		24.0			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug)			
Class of insulation		F 155°C			
Electrical Connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	12 W		
		P (cold) 20°C	16 W		
	AC	Pn (holding)	11 W		
		Attraction cold	13VA		
Weight		130 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC.		24/60	D4E	24	D4B
		110/50 - 120/60	D4F		
		220/50 - 240/60	D4G		

To Order a Coil: Use 6 digits ordering number - **Code Example:** D4 for 24VAC/60Hz = **D4E**

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





D5 COIL SERIES 32 mm

Encapsulated in synthetic material, Connector for 2P+E according with DIN EN 175301-803, Form A, IP65 degree of protection to be considered with connector plug only.

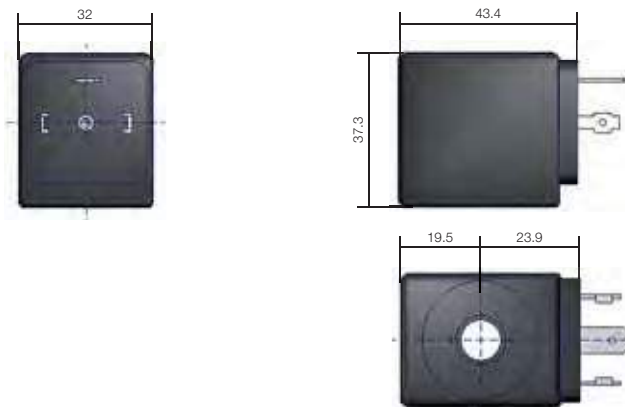
This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).



Specification		Mono Frequency VDE Coil			
Reference (without DIN plug)		D5 Series			
Coil group		24.0			
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug)			
Class of insulation		F 155°C			
Electrical connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A.			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	9 W		
		P (cold) 20°C	-		
	AC	P (cold) 20°C	8 W		
		Attraction cold	40 VA		
Weight		130 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC.		24/50	D5H	24	D5B
		110/50	D5XA5		
		220-230/50	D5L		
		24/60	D5E		
		230/60	D5XJ3		
		115/60	D5XK8		

To Order a Coil: Use 6 digits ordering number - Code Example: D5 for 24 VAC/60 Hz = D5E
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





XS03 COIL SERIES 32 mm

Encapsulated in synthetic material, Connector for 2P+E according with DIN EN 175301-803, Form A, IP65 degree of protection to be considered with connector plug only.

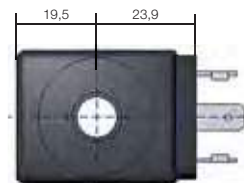
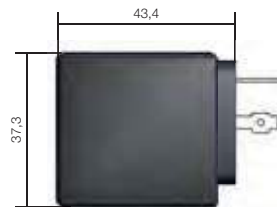
This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).



Specification		Bi- Frequency VDE Coil	
Reference (without DIN plug)		XS03 Series	
Coil group		24.0	
Degree of protection		IP65 according to IEC / EN 60529 standards (with DIN plug)	
Class of insulation		F 155°C	
Electrical Connection		The coil is connected with a 2 P + E plug according to EN 175301-803 type A	
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	-
		P (cold) 20°C	-
	AC	Pn (holding)	9 W
		Attraction cold	32 VA
Weight		130 g	
Voltages "Un"		VAC/Hz	Code
-10% to +10% of Un for AC		24/50 - 24/60	XS03M
		110-115/50 - 120/60	XS03XS5
		220-240/50 - 240/60	XS03XS6

To Order a Coil: Use 6 digits ordering number - **Code Example:** XS03 for 24/50-24/60 = **XS03M**
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.



10.1

COILS FOR
DIN PLUG CONNECTION



COIL FOR OIL AND GAS 37 mm

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive. DIN plug connector included (The AC electrical connection is delivered with a rectifier bridge).

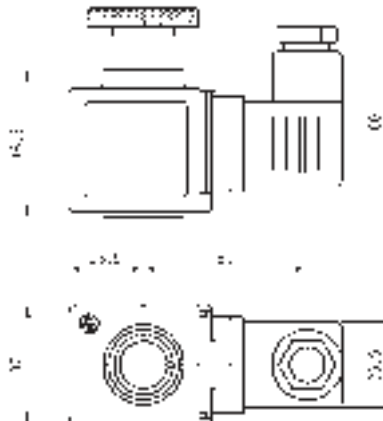


Specification		Coil for Oil and Gas			
Reference (with DIN plug)		496895			
Coil group		10.1			
Degree of protection		IP65 according to IEC / EN 60529 standards			
Class of insulation		H 180°C			
Electrical connection		With DIN plug 492459 (AC) or 486586 (DC)			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	8 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	8 W		
		Attraction cold	-		
Weight		273 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		230/50-60	P9	24	C2
		110/50-60	P2	48	C4
		24/50-60	P0	110	C5
		48/50-60	S4		

To Order a Coil choose Coil Ref + Voltage Code, example: 496895 for 24 VDC = 496895C2

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

The fixing nut (housing kit) is already included in the coil kit.



20.1

COILS WITH FLYING LEADS



YB COIL SERIES IP67

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber. IP67 protection rate. Electrical connection: 2 x 1000 mm cables.

This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

For UL recognized version: UL file MH19410.



Specification		Standard			UL recognized version		
Reference		YB09/YB12			YB09		
Coil Group		20.1					
Degree of protection		IP67 according to IEC / EN 60529 standards					
Class of insulation		F 155°C					
Electrical connection		The coil is connected with a 2 x 1000 mm flying leads integrated.					
Ambient temperature		-10°C to +50°C The application is limited also by the temperature range of the valve.					
Elect. Power	DC	P (cold) 20°C	12 W		-		
	AC	Pn (holding)	9 W		9 W		
		Attraction cold	24 VA		24 VA		
Weight		150 g					
Voltages "Un"		VAC/Hz	Order Number	VDC	Order Number	VAC/Hz	Order Number
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC.		YB09 115/50-60	304396	YB12 12DC	304412	YB09 24/60	304481
		YB09 230/50-60	304398	YB12 24DC	304416	YB09 110-120/60	304488
		YB09 24/50-60	304390			YB09 208-240/60	304483
		YB09 240/50-60	304400				

To Order a Coil: Use 6 digits ordering number - Code Example: YB09 for 24 VAC/60 Hz = 304481
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





LA COIL SERIES 32 mm IP67

Encapsulated in synthetic material. Degree of protection IP67 as per IEC/EN60529.

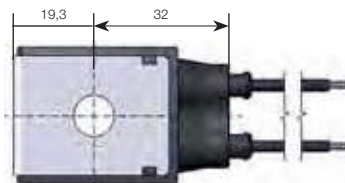
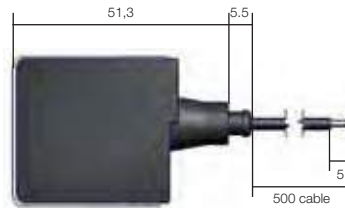
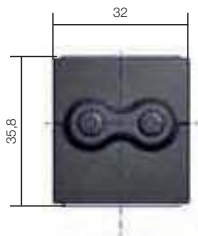
Connection: 2 x 500 mm cables.

This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		Coil with two 500 mm flying leads			
Reference		LA Series			
Coil group		24.0			
Degree of protection		IP67 according to IEC / EN 60529 standards			
Class of insulation		F 155°C			
Ambient temperature		-10°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	9 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	9 W		
		Attraction cold	32 VA		
Weight		180 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC.		24/50 - 24/60	LAM	24	LAB
		110-115/50 - 120/60	LAXS5		
		220-240/50 - 240/60	LAXS6		

To Order a Coil: Use 6 digits ordering number - **Code Example:** LA Series for 24 VDC = LAB
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





LB-LC COIL SERIES 32 mm UL IP67

Encapsulated in synthetic material. Degree of protection IP67 as per IEC/EN60529.

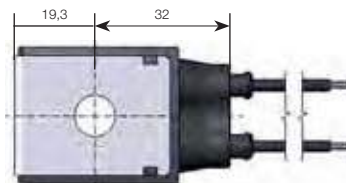
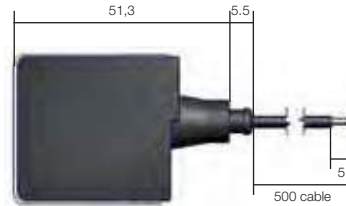
Connection: 2 x 500mm cables.

This coil is UL-approved as a recognized component for the insulation Class 155, conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		UL Coil with two 500 mm flying leads			
Reference		LB-LC Series			
Coil group		24.0			
Degree of protection		IP67 according to IEC / EN 60529 standards			
Class of insulation		F 155°C			
Ambient temperature		-10°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	16 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	13-14 W		
		Attraction cold	40 VA		
Weight		180 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC		24/60	LBE	24	LCB
		110/50 - 120/60	LBF		
		208-240/60	LBXU3		
		220/50 240/60	LBG		

To Order a Coil: Use 6 digits ordering number - **Code Example:** LB-LC for 24 VDC = LCB
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.





COIL 32 mm IP67

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

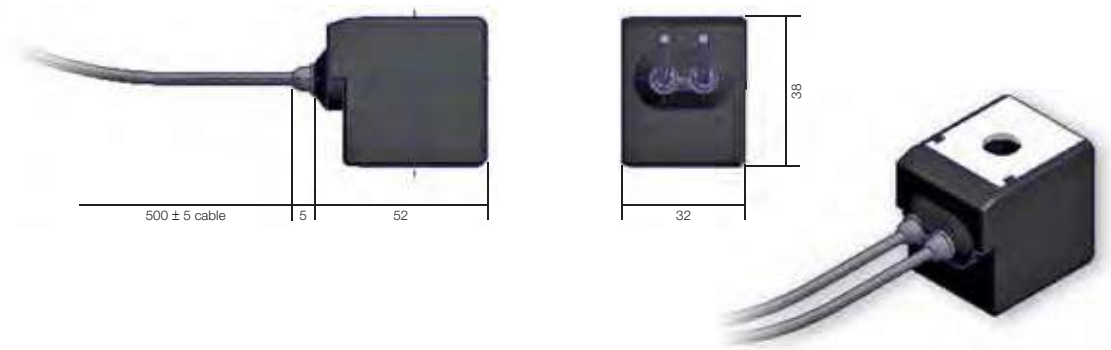
Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		Coil with two 500 mm flying leads			
Reference		496081			
Coil Group		2.0 / 2.1			
Degree of protection		IP67 according to IEC / EN 60529 standards			
Class of insulation		F 155°C			
Ambient temperature		-40 °C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	9 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	9 W		
		Attraction cold	32 VA		
Weight		180 g			
Voltages "Un"		VAC/Hz	Order Number	VDC	Order Number
-10% to +10% of Un for AC		24/50 - 24/60	439816	24	439818
- 5 % to + 10 % for Un DC		110-115/50 - 120/60	439820	12	439814
		220-240/50 - 240/60	439822		

To Order a Coil: Use 6 digits ordering number - **Code Example:** 496081 for 24 VDC = **439818**
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

For Parker Lucifer® valves please order housing Ref: 2995





COIL 32 mm IP67 UL

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

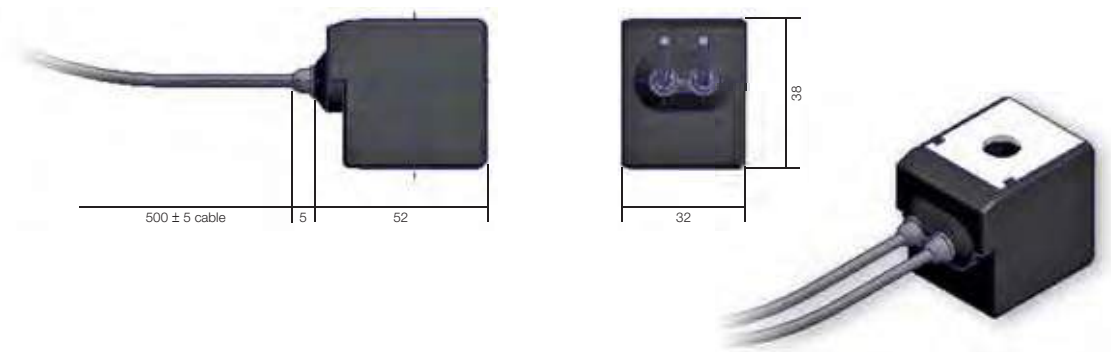
Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		UL Coil with two 500 mm flying leads			
Reference		496082			
Coil Group		2.0 / 2.2			
Degree of protection		IP67 according to IEC / EN 60529 standards			
Class of insulation		F 155°C			
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	16 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	13-14 W		
		Attraction cold	40 VA		
Weight		180 g			
Voltages "Un"		VAC/Hz	Order Number	VDC	Order Number
-10% to +10% of Un for AC - 5 % to + 10 % for Un DC		24/60	439826	24	439832
		110/50 - 120/60	439828		
		208-240/60	439824	12	439830
		220/50 - 240/60	439834		

To Order a Coil: Use 6 digits ordering number - **Code Example:** 496082 for 24 VDC= 439832
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

For Parker Lucifer® valves please order housing Ref: 2995





STANDARD COILS 40 mm

These coils can be mounted with every Parker Solenoid Valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

They can be mounted with all metal housings.

The coil winding is completely encapsulated in synthetic material.

Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

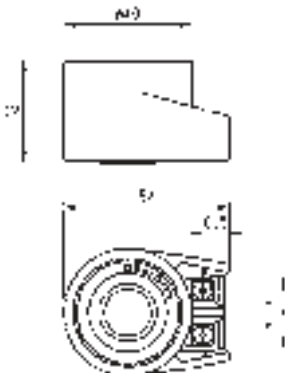


Specification		Standard			Double Frequency		
Reference		481000			483520		
Coil Group		2.0 / 2.1					
Class of insulation		F 155°C					
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve..					
Elect. Power	DC	Pn (hot)	8W		-		
		P (cold) 20°C	9W		-		
	AC	Pn (holding)	8W		9W		
		Attraction cold	32 VA (9 W)		36 VA (10 W)		
Weight		130 g			130 g		
Voltages "Un"		VAC/Hz	Code	VDC	Code	VAC/Hz	Code
-10% to +10% of the Un (-15 % to +5 % for double-frequency coil with voltage code S6 if 240 V/50/Hz is used).		24/50	A2	24	C2	24/50-60	P0
		48/50	A4	48	C4	220-240/50-240/60	S6
		110/50-115/50	0A	110	C5		
		220/50-230/50	3D				

To Order a Coil choose Coil Ref + Voltage Code, example: 4828 for 24 VDC = **481000C2**

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see examples below:



Ref. 4270 - Protection **IP 44** according to IEC / EN 60529 standard (with cable gland)



Ref. 4538 - Protection **IP 67** according to IEC / EN 60529 standard



HIGH POWER COILS 40 mm

This coil can be mounted with every Parker Solenoid Valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

They can be mounted with all metal housings.

The coil winding is completely encapsulated in synthetic material.

Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

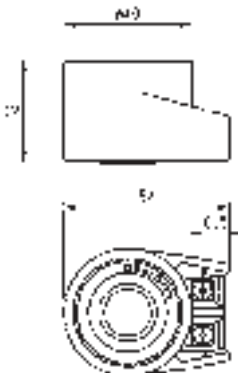
Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		High Power	
Reference		481044	
Coil Group		2.0 / 2.2	
Class of insulation		F 155°C	
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	-
		P (cold) 20°C	-
	AC	Pn (holding)	14 W
		Attraction cold	56 VA (20 W)
Weight		130 g	
Voltages "Un"		VAC/Hz	Code
-10% to +10% of the Un		24/50	A2
		110/50	A5
		220/50	A7
		230/50	F4

To Order a Coil choose Coil Ref + Voltage Code, example: 481044 for 24VAC/50Hz = 481044A2
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see examples below:



Ref. 4270 - Protection IP 44 according to IEC / EN 60529 standard (with cable gland)



Ref. 8520 - Protection IP 67 according to IEC / EN 60529 standard

COIL GROUP
2.0/2.1
2.2

COILS WITH SCREW TERMINALS



HIGH TEMPERATURE COILS 40 mm

These coils can be mounted with every Parker Solenoid Valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages.

They can be mounted with all metal housings.

The coil winding is completely encapsulated in synthetic material.

Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

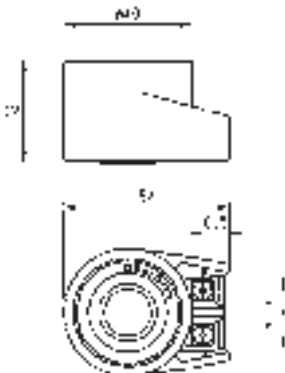


Specification		High Temperature			High Temperature & High Power				
Reference		485100			486265				
Coil Group		2.0 / 2.1			2.0 / 2.2				
Class of insulation		H 180°C							
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.							
Elect. Power	DC	Pn (hot)	8 W		14 W				
		P (cold) 20°C	9 W		21 W				
	AC	Pn (holding)	8 W		14 W				
		Attraction cold	32 VA (9 W)		56 VA (20 W)				
Weight		140 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	12	C1
		380/50-440/60	5P			110/50	A5	24	C2
		220/50-230/50	3D			220/50	A7	48	C4
						230/50	F4		

To Order a Coil choose Coil Ref + Voltage Code, example: 485100 for 24VAC/50Hz = **485100A2**

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see examples below:



Ref. 4270 - Protection **IP 44** according to IEC / EN 60529 standard (with cable gland)



Ref. 8520 - Protection **IP 67** according to IEC / EN 60529 standard

14.1

COILS WITH SCREW TERMINALS



HIGH TEMPERATURE & HIGH POWER COILS 40 mm OIL BURNER

This coils can be mounted with every Parker Solenoid Valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

It can be mounted with all metal housings.

The coil winding is completely encapsulated in synthetic material.

Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

Coil conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

This coil is used only in safety application according to DIN/EN/ISO 23551-1:2009-10 (Oil burners)

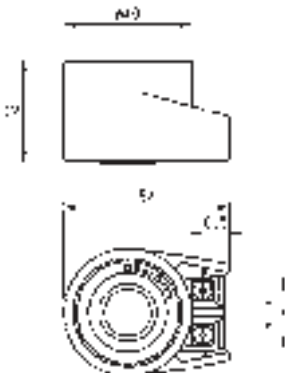


Specification		High Temperature & High Power	
Reference		483824	
Coil Group		14.1	
Class of insulation		H 180°C	
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	19 W
		P (cold) 20°C	19 W
	AC	Pn (holding)	19 W
		Attraction cold	56 VA (20 W)
Weight		130 g	
Voltages "Un"		VAC/Hz	Code
-10% to +10% of the Un		120/50	A6
		240/50	A8
		110/60	B5
		220/60	B7
		58/50-60/60	T6
		55/60	4J

To Order a Coil choose Coil Ref + Voltage Code, example: 483824 for 120/50 = 483824A6

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, Ref: 8760.24 and Ref: 8520.23



Ref. 8760.24



Ref. 8520.23



HIGH TEMPERATURE & HIGH POWER COILS 40 mm OIL BURNER

This coils can be mounted with every Parker Solenoid Valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

It can be mounted with all metal housings.

The coil winding is completely encapsulated in synthetic material.

Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

Coil conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

This coil is used only in safety application according to DIN/EN/ISO 23551-1:2009-10 (Oil burners)

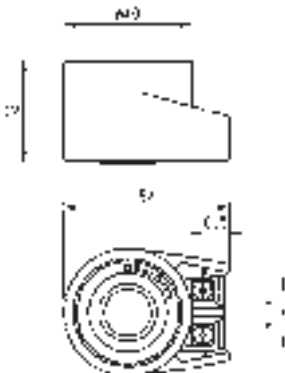


Specification		High Temperature & High Power	
Reference		483541	
Coil Group		14.3	
Class of insulation		H 180°C	
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	20 W
		P (cold) 20°C	20 W
	AC	Pn (holding)	20 W
		Attraction cold	56 VA (20 W)
Weight		130 g	
Voltages "Un"		VAC/Hz	Code
-10% to +10% of the Un		120/50	A6
		240/50	A8
		110/60	B5
		220/60	B7
		58/50-60/60	T6
		55/60	4J

To Order a Coil choose Coil Ref + Voltage Code, example: 483541 for 120/50 = 483541A6

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, Ref: 8760.24 and Ref: 8520.23



Ref. 8760.24



Ref. 8520.23

COIL DOUBLE FREQUENCY 40 mm H CLASS

This coil can be mounted with every Parker Solenoid Valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages.

They can be mounted with all metal housings.

The coil winding is completely encapsulated in synthetic material.

Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

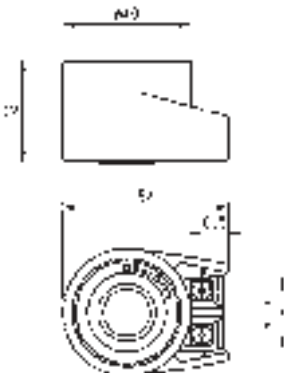


Specification		Double Frequency 100 V - 200 V	
Reference		488553	
Coil Group		2.0/2.1	
Class of insulation		H 180°C	
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.	
Elect. Power	DC	Pn (hot)	-
		P (cold) 20°C	-
	AC	Pn (holding)	9 W
		Attraction cold	-
Weight		130 g	
Voltages "Un"		VAC/Hz	Code
-10% to +10% of the Un		100/50-60	P1
		200/50-60	P6

To Order a Coil choose Coil Ref + Voltage Code, example: 488553 for 110/50-60 = 488553P1

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see examples below:



Ref. 4270 - Protection IP 44



Ref. 8520 - Protection IP 54



BISTABLE COILS 40 mm FOR IMPULSE APPLICATIONS

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages.

These coils are specially designed for Lucifer® bistable (or impulse or magnetic latch) solenoid valves for Heating Applications.

They can be mounted only with the Lucifer® metallic housing 4269 or 4538. The coil winding is completely encapsulated in synthetic material.

Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

Coils conform to the IEC/GENELEC safety standards and complies with European low-voltage directive.



Specification		Bistable (Impulse)		
Reference		484990		485400
Coil Group		4.0		
Class of insulation		F 155°C		
Ambient temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.		
Length of impulses		Switch on (terminals A-B): minimum 50 ms Switch off (terminals A-C): minimum 35 ms		
Electr. Power consumption	DC	Attraction (hot)	-	13 W
		Attraction (cold)	-	19 W
		Release (hot)	-	8 W
		Release (cold)	-	10 W
	AC	Attraction (hot)	11 W	-
		Attraction (cold)	17 W	-
		Release (hot)	4 W	-
		Release (cold)	7 W	-
Weight		150 g		
Voltages "Un"	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un	24/50-24/60	P0	24	C2
	48/50-48/60	S4	48	C4
	110-115/50-115/60	1P	110	C5
	220-230/50-60	3P		

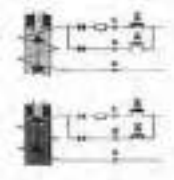
To Order a Coil choose Coil Ref + Voltage Code, example: 485400 for 24 VDC = 485400C2

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

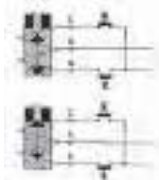
These coils must be used with suitable housings, see examples below:

DIAGRAM

Alternating Current



Direct Current



Only an electrical impulse given to terminals A-C reverses the magnetic field. This magnetic field demagnetises the reversible magnet enough to allow the return spring to bring the plunger back to its initial position and close the valve.

Ref. 4269 - Protection IP 44

Ref. 4538 - Protection IP 67



COILS 12 V - 24 V FOR TRANSPORTATION APPLICATIONS 32 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

These coils are specially designed for Lucifer® solenoid valves for Transportation Applications.

They can be mounted with the standard Lucifer® housing 2161 or customized housing.

The coil winding is completely encapsulated in epoxy. Easy mounting and dismantling in confined spaces. Bayonet twist and lock coupling for tight, vibration resistant connection.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification		Transportation			
Reference		496193 with diode		495294 without diode	
Coil Group		13.0			
Degree of protection		IP69K for DIN 400050 part 9			
Ambiant temperature		- 40°C to +120°C The application is limited also by the temperature range of the valve and duty cycle of the valve.			
Insulation Class		F 155°C			
Electrical connection		ISO 15170-A1-2.3-Sn/K2		DIN 72585-A3-2.1	
Elect. Power	DC	Pn (hot)		9 w	
		P (cold) 20°C		-	
	AC	Pn (holding)		-	
		Attraction cold		-	
Weight		147 g			
Voltages "Un"		VDC	Code	VDC	Code
- 30% to + 30% of the Un		12	C1	12	C1
		24	C2	24	C2

To Order a Coil choose Coil Ref + Voltage Code, example: 496193 for 24 VDC = 496193C2

These coils must be used with suitable housings Ref.2168 for 12Vdc and 2169 for 24 VDC.

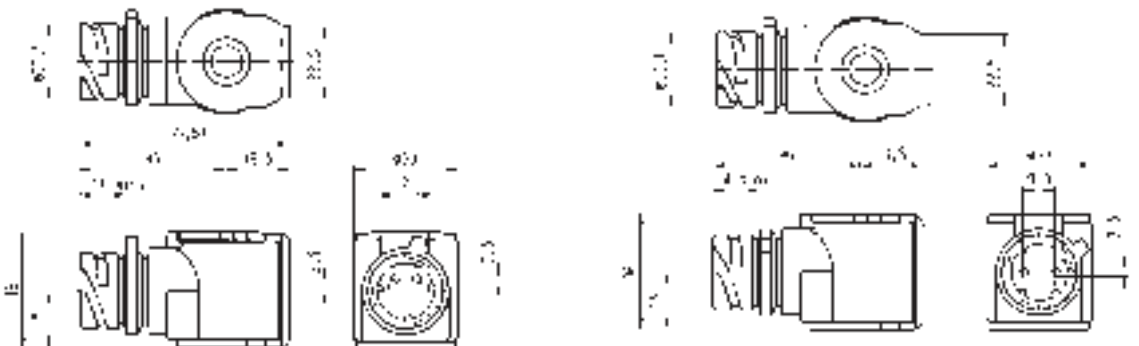


TABLE OF CONTENT

INTRODUCTION

Index for Explosion Proof Electrical Parts.....	442
List of Coil Groups.....	443

COILS

Coils for DIN plug connection.....	446
Coils with flying leads.....	469
Coils with screw terminal.....	474
Coils with ISO-DIN connector.....	481

EXPLOSION PROOF ELECTRICAL PARTS

Level of protection "nAc nCc".....	484
Level of protection "db".....	492
Level of protection "mb".....	494
Level of protection "db mb".....	499
Level of protection "eb".....	504
Level of protection "eb mb".....	505
Level of protection "ia".....	508

HOUSINGS.....	518
---------------	-----

COIL ACCESSORIES.....	522
-----------------------	-----

EXPLOSIVE ENVIRONMENTS.....	524
-----------------------------	-----

COIL APPENDICES

Guidance chart for IS-Barriers.....	534
-------------------------------------	-----



ZONE 2/22

ELECTRICAL PART LOW POWER 22 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 nAc nCc IIC T5 is required.

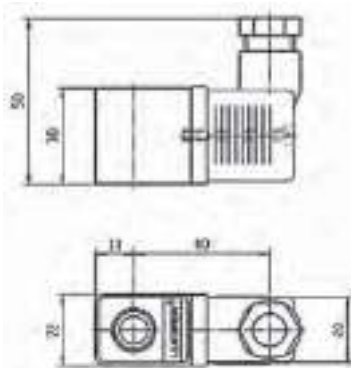
Benefits:

The synthetic material encapsulation of the coil provides an effective compact housing, offering full protection against dust, oil, water, etc. Small size for ease of mounting in confined spaces.



Reference		495865			
Certificate		LCIE 05 ATEX 6003 X			
Coil Group		1.1			
Type of protection	Gas	II 3 G Ex nAc nCc IIC T5			
	Dust	II 3 D - Ex tc IIIC - T 95°C			
Degree of protection		IP65 (with plug) according to IEC/EN 60529 Standards			
Ambiant temperature		-40°C to +50°C The application is limited also by the temperature range of the valve.			
Insulation Class		F 155°C			
Electrical connection		These coils with connection 2P + G - when mounted together with the supplied Pg 9 plug (delivered with the coil),			
Elect. Power	DC	Pn (hot)	2.5 W		
		P (cold) 20°C	3 W		
	AC	Pn (holding)	2 W		
		Attraction cold	5.7 VA (2.5 W)		
Weight		120 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50	A2	24	C2
		48/50	A4	48	C4
		110/50-115/50	0A		
		220/50-230/50	3D		

To Order a Coil choose Coil Ref + Voltage Code, example: 495865 for 24 VDC = **495865C2**





ZONE 2/22

ELECTRICAL PART DOUBLE FREQUENCY 22 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 nAc nCc IIC T5 is required.

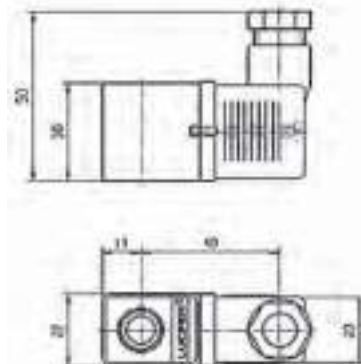
Benefits:

The synthetic material encapsulation of the coil provides an effective compact housing, offering full protection against dust, oil, water, etc. Small size for ease of mounting in confined spaces.



Specification		Double Frequency			
Reference		496637			
Certificate		ATEX			
Coil group		1.2			
Type of protection	Gas	Ex nAc nCc IIC T5			
	Dust	II 3 D - Ex tc IIIC - T 95°C			
Degree of protection		IP65 (with plug) according to IEC/EN 60529 Standards			
Ambiant temperature		-20°C to +50°C The application is limited also by the temperature range of the valve.			
Insulation Class		F 155°C			
Elect. Power	DC	Pn (hot)	3 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	3 W		
		Attraction cold	5.7 VA (2.5 W)		
Weight		75 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50-60	P0	24 V	C2
		110/50-60	P2	48 V	C4
		230/50-60	P9	110 V	C5
		48/50-60	S4		

To Order a Coil choose Coil Ref + Voltage Code, example: 496637 for 24 VDC = **496637C2**





ELECTRICAL PART 32 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 nAc nCc IIC T3/T4 is required.

Ease of mounting in confined space - offers shock and corrosion protection-simplifies conversion of existing equipment to other requirements, etc.

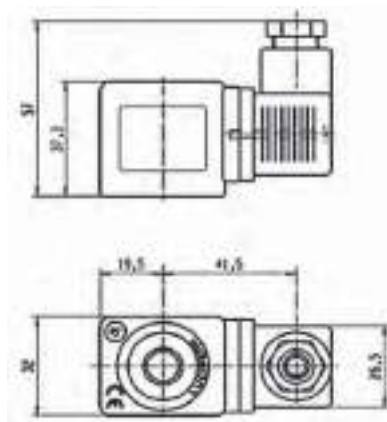
Benefits:

The synthetic material encapsulation of the coil provides an effective compact housing, offering full protection against dust, oil, water, etc.
Small size for ease of mounting in confined spaces.



Reference	495870				496110	
Certificate	LCIE 05 ATEX 6003 X					
Coil Group	2.0 / 2.1					
Type of protection	Gas	II 3 G Ex nAc nCc IIC T3/T4			II 3 G Ex nAc nCc IIC T3/T4	
	Dust	II 3 D - Ex tc IIIC - T195°C / T130°C			II 3 D - Ex tc IIIC - T195°C / T130°C	
Degree of protection	IP65 (with plug) according to IEC/EN 60529 Standards					
Insulation Class	F (155°C)					
Duty cycle	100%					
Ambiant temperature	-40°C to +65°C / 50°C The application is limited also by the temperature range of the valve.					
Elect. Power	DC	Pn (hot)	9 W			-
		P (cold) 20°C	12 W			-
	AC	Pn (holding)	8 W			9 W
		Attraction cold	26 VA (9 W)			32 VA (10 W)
Weight	150 g					
Voltages "Un" -10% to +10% of the Un	VAC/Hz	Code	VDC	Code	VAC/Hz	Code
	24/50	A2	24	C2	24/50-60	P0
	48/50	A4	48	C4	48/50-60	S4
	110/50	A5	110	C5	110/50-60	S5
	220-230/50	3D			220/50-60	S6

To Order a Coil choose Coil Ref + Voltage Code, example: 495870 for 24 VDC = **495870C2**





ELECTRICAL PART LOW POWER 32 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 nAc nCc IIC T5/T6 is required.

Ease of mounting in confined space - offers shock and corrosion protection-simplifies conversion of existing equipment to other requirements, etc.

Benefits:

The synthetic material encapsulation of the coil provides an effective compact housing, offering full protection against dust, oil, water, etc.

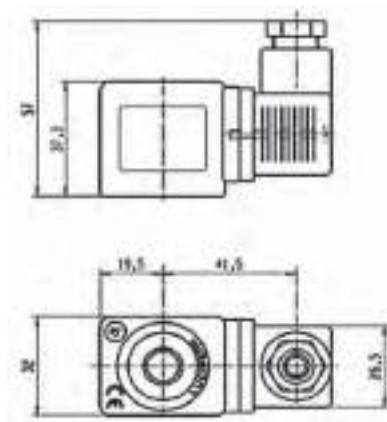
Small size for ease of mounting in confined spaces.



ZONE 2/22

Reference	496125		
Certificate	LCIE 05 ATEX 6003 X		
Coil group	6.0		
Type of protection	Gas	II 3 G Ex nAc nCc IIC T5/T6	
	Dust	II 3 D Ex tc IIIC T95°C/80°C	
Degree of protection	IP65 (with plug) according to IEC/EN 60529 Standards		
Insulation Class	F (155°C)		
Duty cycle	100%		
Ambiant temperature	-40°C to +65°C / 50°C The application is limited also by the temperature range of the valve.		
Elect. Power	DC	Pn (hot)	1.6 W
		P (cold) 20°C	2.1 W
	AC	Pn (holding)	-
		Attraction cold	-
Weight	150 g		
Voltages "Un" -10% to +10% of the Un	VDC		Code
		24	C2
		48	C4
		110	C5

To Order a Coil choose Coil Ref + Voltage Code, example: 496125 for 24 VDC = 496125C2





ELECTRICAL PART 32 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 nAc nCc IIC T3/T4 is required.

Ease of mounting in confined space - offers shock and corrosion protection-simplifies conversion of existing equipment to other requirements, etc.

Benefits:

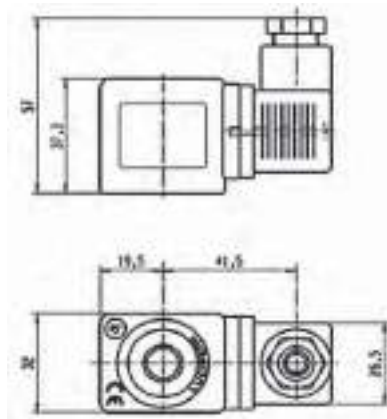
The synthetic material encapsulation of the coil provides an effective compact housing, offering full protection against dust, oil, water, etc.

Small size for ease of mounting in confined spaces.



Specification		32 mm Coil "nAc nCc"			
Reference		495875			
Certificate		LCIE 05 ATEX 6003 X			
Coil Group		3.0			
Type of protection	Gas	II 3 G Ex nAc nCc IIC T3/T4			
	Dust	II 3 D - Ex tc IIIC - T195°C / T130°C			
Degree of protection		IP65 (with plug) according to IEC/EN 60529 Standards			
Insulation Class		F 155°C			
Duty cycle		100%			
Ambiant temperature		-40°C to +65°C / 50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	7 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	6 W		
		Attraction cold	-		
Weight		180 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		220-230/50	3D	24	C2

To Order a Coil choose Coil Ref + Voltage Code, example: 495875 for 24 VDC = **495875C2**



COIL GROUP

2.0/2.2

NON ENCAPSULATED
ELECTRICAL PARTS
"nAc nCc"



ELECTRICAL PART 32 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 nAc nCc IIC T3 is required.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Benefits:

The synthetic material encapsulation of the coil provides an effective compact housing, offering full protection against dust, oil, water, etc.

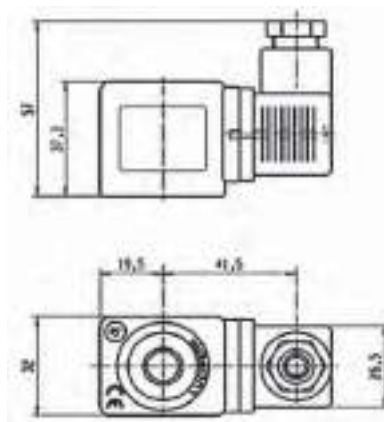
Small size for ease of mounting in confined spaces.



ZONE 2/22

Specification		32 mm Coil "nAc nCc"			
Reference		495880			
Certificate		LCIE 05 ATEX 6003X			
Coil Group		2.0 / 2.2			
Type of protection	Gas	II 3 G Ex nAc nCc IIC T3			
	Dust	II 3 D - Ex tc IIC - T195°C			
Degree of protection		IP65 (with plug) according to IEC/EN 60529 Standards			
Insulation Class		H 180°C			
Duty cycle		100%			
Ambiant temperature		-40°C to +65°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	14 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	14 W		
		Attraction cold	-		
Weight		180 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50	A2	24	C2
		110/50	A5		
		230/50	F4		

To Order a Coil choose Coil Ref + Voltage Code, example: 495880 for 24 VDC = 495880C2





495915 - ELECTRICAL PARTS 50 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 nAc nCc IIC T3 is required.

Benefits: Rotatable housing 360°, epoxy varnished steel with internal and external screw terminals for earth connection.

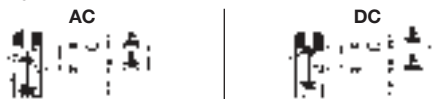
Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.



Reference		495915		
Certificate		LCIE 05 ATEX 6010 X		
Coil group		4.0		
Type of protection	Gas	II 3 G Ex nAc nCc IIC T3		
	Dust	II 3 D - Ex tc IIIC - T 195°C		
Degree of protection		IP67 according to IEC/EN 60529 Standards		
Ambient temperature		-40°C to +65°C The application is limited also by the temperature range of the valve.		
Insulation Class		F 155°C		
Electrical connection		By special cable gland M20 x 1.5 on screw terminals for wires up to 1.5 mm ² . Cable with outside diameter 6.5 mm to 13.5 mm can be simply sealed using the rubber gland with resilient sealing rings supplied		
Consumption Electrique	AC	Attraction (hot)	11 W	-
		Attraction (cold) 20°C	17 W	-
		Release (hot)	4 W	-
		Release (cold) 20°C	7 W	-
	DC	Attraction (hot)	-	13 W
		Attraction (cold) 20°C	-	19 W
		Release (hot)	-	8 W
		Release (cold) 20°C	-	10 W
Weight		320 g		
Duty cycle		Continuous duty solenoid (ED 100%)		
Voltages "Un"		VAC/Hz	Code	VDC
-10% to +10% of the Un		110-115/50-60	1P	24
		220-230/50-60	3P	48
		48/50-60	S4	
		24/50-60	P0	
				Code
				C2
				C4

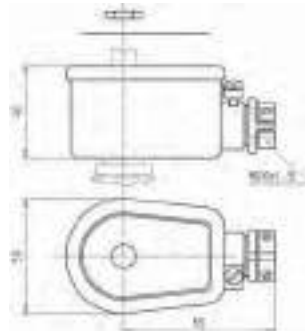
To Order a Coil choose Coil Ref + Voltage Code,
example: 495915 for 24 VDC = **495915C2**

Schema



As soon as an electrical impulse is given to the terminals A-B, the electromagnetical force attracts the plunger and simultaneously magnetizes a reversible permanent magnet ring. This magnet retains the plunger in place. It stays in position even without current. Only an electrical impulse given to terminals A-C reserves the magnetic field. This magnetic field demagnetises the reversible magnet enough to allow the return spring to bring the plunger back to its initial position and close the valve.

Switch: Switch on (terminals A-B): Minimum 50 ms (maximum 1 s)
AC: Switch off (terminals A-C): Minimum 35 ms (maximum 1 s)



COIL GROUP

2.0/2.2

**INCREASED SAFETY
ELECTRICAL PARTS
"nAc nCc"**



3.5.1 ELECTRICAL PARTS 496155

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.

See column "Coil Compatibility Group" within valve pages.

Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex nAc nCc IIC T3 is required.

Benefits: Rotatable housing 360°, epoxy varnished steel with internal and external screw terminals for earth connection.

Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.



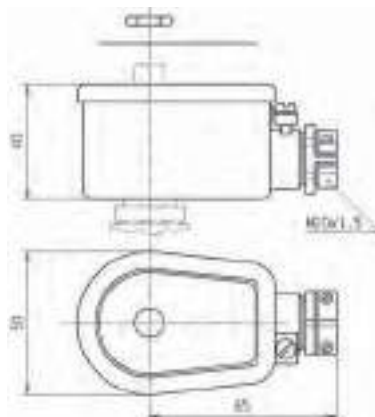
ZONE 2/22

Reference		496155			
Certificate		LCIE 05 ATEX 6010 X			
Coil Group		2.0/2.2			
Type of protection	Gas	II 3 G Ex nAc nCc IIC T3			
	Dust	II 3 G D - Ex tc IIC - T 195 °C			
Degree of protection		IP67 according to IEC/EN 60529 Standards			
Ambiant temperature		-40°C to +65°C The application is limited also by the temperature range of the valve.			
Insulation Class		F 155°C			
Electrical connection		By special cable gland or M20x1.5 on screw terminals for wires up to 1.5 mm ² . Cables with outside diameter 6.5 mm to 13.5 mm can be simply sealed using the rubber gland with resilient sealing rings supplied.			
Elect. Power	DC	Pn (hot)	14 W		
		P (cold) 20°C	21 W		
	AC	Pn (holding)	14 W		
		Attraction cold	56 VA (20 W)		
Weight		320 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/50	A2	24	C2
		110/50	A5	48	C4
		230/50	F4		

To Order a Coil choose Coil Ref + Voltage Code, example: 496155 for 24VAC/50Hz = **496155A2**

Fuses:

Both electrical parts have to be connected in series with a safety fuse according to IEC 60127-3.





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.

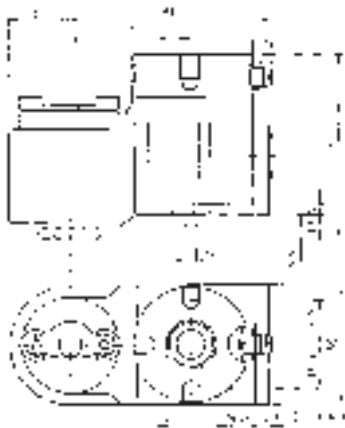
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex db IIC T4 to T6 is required.

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.



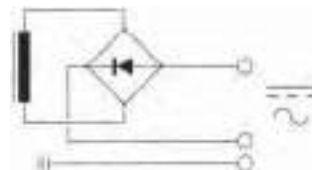
Reference	483270 (M20 x 1.5) 483270.02 (1/2 NPT)			
Certificate	LCIE 02 ATEX 6008 X			
Coil group	11.0			
Type of protection	Gas	II 2 G - Ex db IIC T4/T5/T6		
	Dust	II 2 D - Ex tb IIIC - T130°C/ 95°C/ 80°C		
Degree of protection	IP66 with appropriate cable gland according to IEC/EN 60529 Standards			
Ambient temperature	-40 to +80°C / +75°C / +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	110-115/50-60	1P	24	C2
	220-230/50-60	3P	48	C4
			110	C5

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





497105 & 497105.02 - ELECTRICAL PARTS

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 / T5 / T6 is required.

Benefits: Rotatable 360°, stainless steel with internal and external screw terminals for earth connection.

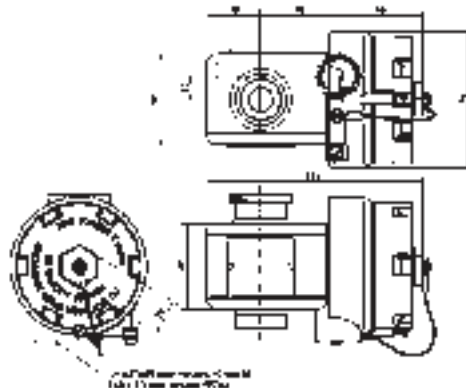
Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.



ZONE 1/21

Reference		497105 (M20x1.5) 497105.02 (NPT 1/2")		
Certificate		INERIS 12ATEX0041X - IECEx INE 12.0034X		
Coil Group		10.3		
Type of protection	Gas	II 2 G - Ex db IIC T4 / T5 / T6		
	Dust	II 2 D - Ex tb IIC - 130°C / 95°C / 80°C		
Degree of protection		IP66 (with relevant cable gland) according to IEC/EN 60529 Standards		
Ambient temperature		-50°C to +80°C / +60°C / +40°C The operating temperature of the valve/coil can be limited by that of the valve		
Insulation Class		F 155°C		
Electrical connection		Electric connection is done in the connection chamber on an easily accessible connector terminals. The cable entry to the connection chamber is made through a 1/2" NPT or M20x1.5 thread in which an approved Exdb IIC cable gland must be installed.		
Electrical consumption	DC	Pn (hot)	8 W	
		P (cold) 20°C	9 W	
	AC	Pn (holding)	8 W	
		Attraction cold	9 W	
Voltage Tolerance		+/- 10% of nominal voltage		
Emergising Cuty		ED 100%		
Voltages	VAC/Hz	Code	VDC	Code
	24/50-60	P0	12	C1
	110-115 / 50-60	1P	24	C2
	220-230 / 50-60	3P	48	C4
			110	C5

To Order a Coil choose Coil Ref + Voltage Code, example: 497105 for 24 VDC = **497105C2**





ZONE 1/2/1

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 IIC T4 / 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.



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 IIC T4 / T5					
	Dust	II 2 D - Ex tb IIIC - T130°C / 95°C					
Degree of protection		IP65 (with plug) according to IEC/EN 60529 Standards					
Ambient temperature		-40°C to +65°C / +40°C		-40°C to +65°C / +35°C			
The application is limited also by the temperature range of the valve.							
Insulation Class		F 155°C					
Electrical connection		Cable connection (3 x 0.75 mm²) 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"		VDC	Code	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		12	C1	24/50	A2	24	C2
		24	C2	48/50	A4	48	C4
				110/50-115/50	0A	110	C5
				220/50-230/50	3D		

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

* 482606.160 - 6 m cable length - available only in C2 and 3D

* 482606 - 1.5 m cable length

Fuses:

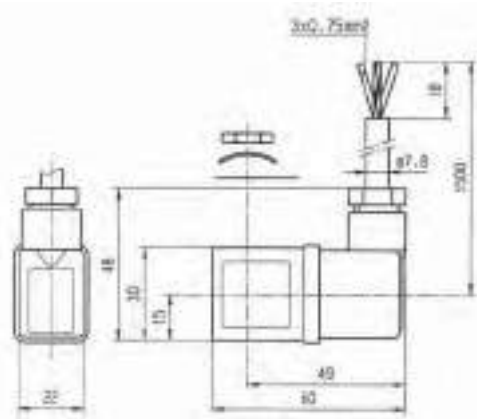
Both electrical parts 482605 & 482606 have to be connected in series with a safety fuse according to CEI 60127-3. Indicating example below:

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



COIL GROUP

2.0/2.1

**ENCAPSULATED
ELECTRICAL PARTS
"mb"**



ZONE 1/2/1

WITH WATER PROOF METAL HOUSING 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 mb IIC T4/ T5 is required.

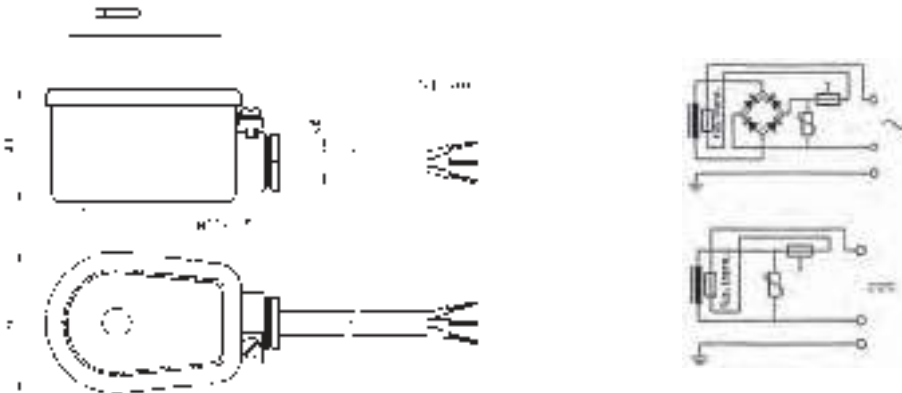
Benefits: Epoxy-vernished steel housing - solenoid coil, rectifier (silicium diodes), fuse and varistor protection element are completely encapsulated in the coil housing by means of epoxy resin.

Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.



Reference	492070 (with 3 m cable length) 492070.160 (with 6 m cable length)			
Certificate	LCIE 02 ATEX 6017 X - IECEx LCI 09.0024 X			
Coil Group	2.0 / 2.1			
Type of protection	Gas	II 2 G - Ex mb IIC T4/ T5		
	Dust	II 2 D - Ex tb IIIC - T130 / 95°C		
Degree of protection	IP67 according to IEC/EN 60529 standards			
Ambient temperature	-40°C to +65°C / 40°C The application is limited also by the temperature range of the valve.			
Insulation Class	F 155°C			
Electrical connection	Cable connection (3 x 1.5 mm ²) with cable gland M20 x 1.5, external earth screw connection.			
Elect. Power	DC	Pn (hot)	8 W	
		P (cold) 20°C	10 W	
	AC	Pn (holding)	9 W	
		Attraction cold	11 W	
Weight	500 g			
Voltages "Un"	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un	24/50-60	P0	24	C2
	110/50-60	P2	48	C4
	220/50-60	R5	110	C5
	230/50-60	P9		
	240/50-60	Q1		

To Order a Coil choose Coil Ref + Voltage Code, example: 492070 for 24 VDC = 492070C2



COIL GROUP

2.0/2.1

**ENCAPSULATED
ELECTRICAL PARTS
"mb"**



HZ10 COIL DOUBLE FREQUENCY

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 mb IIC T3/T4/T5 is required.

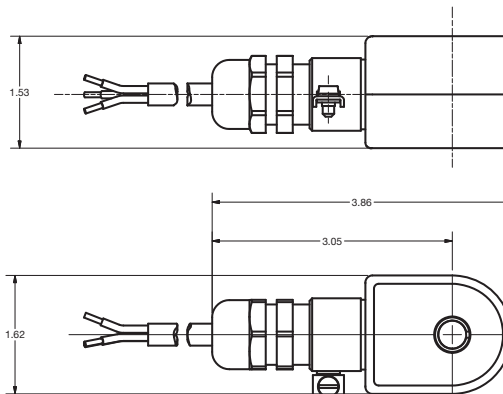
The coil is delivered with a 3m cable.



ZONE 1/21

Specification		Double Frequency			
Reference		HZ10			
Certificate		LCIE 02 ATEX 6020 X - IECEx LCI 08.0027 X			
Coil Group		2.0 / 2.1			
Type of protection	Gas	II 2 G - Ex mb IIC T3/T4/T5			
	Dust	II 2 D - Ex tb IIIC T195°C / 130°C / 95°C			
Degree of protection		IP65 (with plug) according to IEC/EN 60529 Standards			
Ambient temperature		-40°C to +80°C / 65°C / 40°C The application is limited also by the temperature range of the valve.			
Insulation Class		H 180°C			
Duty cycle		100% continuous			
Electrical connection		Cable connection (3 x 1.5 mm ²) with cable gland M20 x 1.5, external earth screw connection.			
Elect. Power	DC	Pn (hot)	8 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	8 W		
		Attraction cold	-		
Weight		299 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/60	B2	12	C1
		110/50-120/60	P3	24	C2
		220/50-240/60	Q3	120	C6

To Order a Coil choose Coil Ref + Voltage Code, example: HZ10 for 24 VDC = HZ10C2



Dimensions in Inches.



ZONE 1/2/1

HZ11 COIL DOUBLE FREQUENCY

This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages.

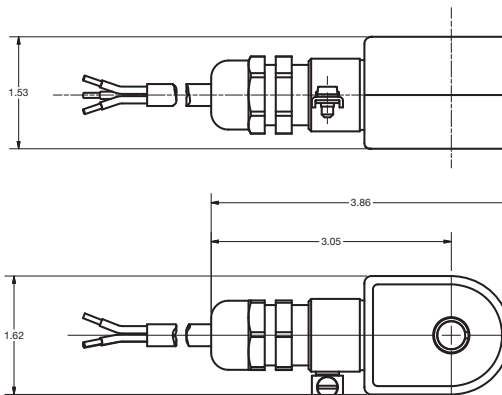
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex mb IIC T3/T4/T5 is required.

The coil is delivered with a 3m cable.



Specification		Double Frequency			
Reference		HZ11			
Certificate		LCIE 02 ATEX 6020 X - IECEx LCI 08.0027 X			
Coil Group		2.0 / 2.2			
Type of protection	Gas	II 2 G - Ex mb IIC T3/T4/T5			
	Dust	II 2 D - Ex tb IIIC T195°C / 130°C / 95°C			
Degree of protection		IP65 (with plug) according to IEC/EN 60529 Standards			
Ambient temperature		-40°C to + 65°C / 40°C The application is limited also by the temperature range of the valve..			
Insulation Class		H 180 °C			
Duty cycle		100% continuous			
Elect. Power	DC	Pn (hot)	14 W		
		P (cold) 20°C	-		
	AC	Pn (holding)	14 W		
		Attraction cold	-		
Weight		299 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of the Un		24/60	B2	12	C1
		110/50-120/60	P3	24	C2
		220/50-240/60	Q3	120	C6

To Order a Coil: Coil Ref + Voltage Code, example: HZ11 for 24 VDC = **HZ11C2**



Dimensions in Inches.

COIL GROUPS

6.0

**FLAME PROOF ENCAPSULATED
ELECTRICAL PARTS
"db mb"**



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.

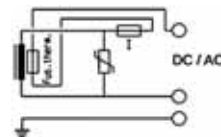
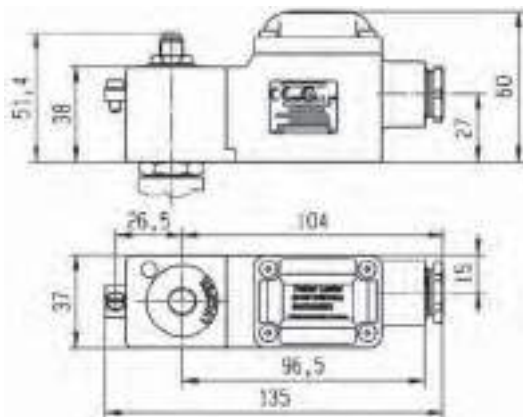
The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in confined space.



ZONE 1/21

Reference		495900 (VAC)		495900 (VDC)	
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 T4 / T5 / T6	
	Dust	II 2 D Ex tb IIC - 130°C / 95°C / 80°C		II 2 D Ex tb IIC - T130°C / 95°C / 80°C	
Degree of protection		IP67 according to IEC/EN 60529 Standards			
Ambient temperature		-40°C to +80°C / 55°C / 40°C		-40°C to +80°C / 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 mm ²) 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	Code
-10% to +10% of Un for AC - 10 % to + 10 % for Un DC.		24/50	A2	24	C2
		48/50	A4	48	C4
		115/50	E5	110	C5
		230/50	F4		

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





495905 - 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 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.

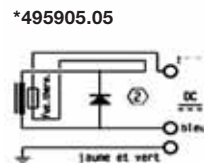
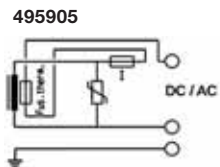
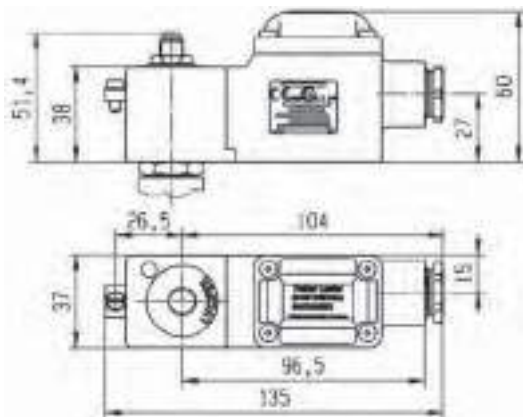
The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in confined space.



Reference		495905	495905.05*		
Certificate		LCIE 03 ATEX 6451 X - IECEx LCI 06.0004 X			
Coil Group		2.0 / 2.1			
Type of protection	Gas	II 2 G - Ex db mb IIC T4			
	Dust	II 2 D - Ex tb IIIC - 130°C			
Degree of protection		IP67 according to IEC/EN 60529 Standards			
Ambient temperature		-40°C to +80°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)	8 W		
		P (cold) 20°C	9 W		
	AC	Pn (holding)	8 W		
		Attraction cold	9 W		
Voltages "Un"		VAC/Hz	Code	VDC	Code
-10% to +10% of Un for AC		24/50	A2	24	C2
-10% to +10% for Un DC		48/50	A4	48	C4
		115/50	E5	110	C5
		230/50	F4		

To Order a Coil choose Coil Ref + Voltage Code, example: 495905 for 24 VDC = **495905C2**

* 495905.05 available only in C4



COIL GROUP

10.2/10.1

**FLAME PROOF ENCAPSULATED
ELECTRICAL PARTS
"db mb"**



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.

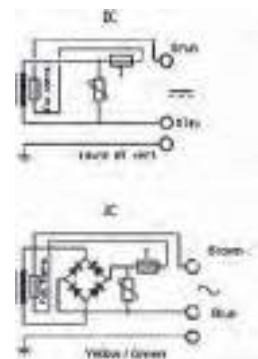
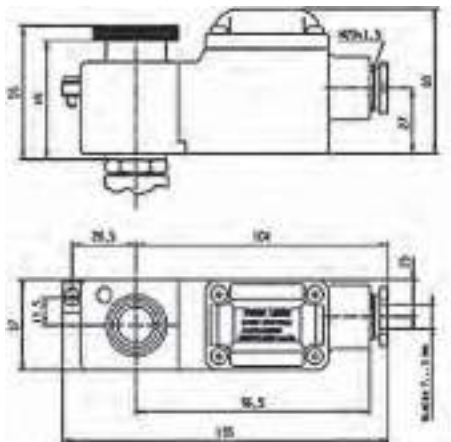
The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in confined space.



ZONE 1/21

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°C / 95°C / 80°C				II 2 D - Ex tb IIIC - T130°C			
Degree of protection		IP 67 according to IEC/EN 60529 Standards							
Ambiant temperature		-40°C to +65 / 50 / 35°C				-40°C to +65°C			
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	-	8 W
		P (cold) 20°C	-	7.5 W	-	-	10.5 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 24 VDC = 496555C2



**FLAME PROOF ENCAPSULATED
ELECTRICAL PARTS
"db mb"**



ZONE 1/21

496700 & 496800 - 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.

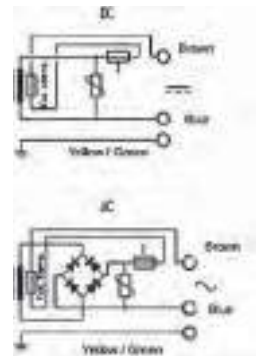
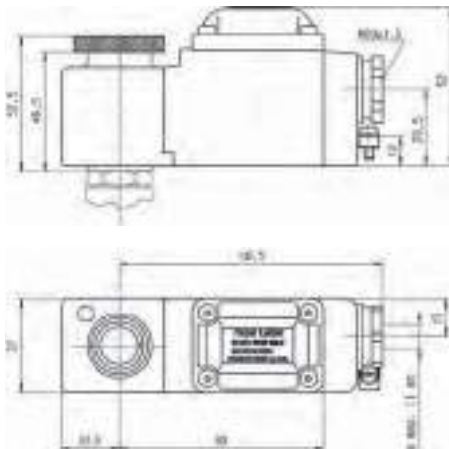
Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

The plastic housing is delivered with 1/2" NPT or M20 x 1.5 threaded hole for wide range of cable glands. Small size for ease of mounting in confined space.



Reference		496700 or 496700.02 (NPT)			496800 or 496800.02 (NPT)				
Certificate		LCIE 10 ATEX 3059 X - IECEx LCI 10.0023X							
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		IP67 according to IEC/EN 60529 Standards							
Ambient temperature		-40°C to +35°C / +50°C / +65°C			-40°C to +65°C				
Class of insulation		H (180°)							
Electrical connection		Electric connection is done in the connection box passes through a 1/2 NPT or M20x1.5 thread in which a certified Ex dB IIC cable gland must be installed							
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: 496700 for 24 VDC = **496700C2**



COIL GROUP

2.0/2.1

**FLAME PROOF ENCAPSULATED
ELECTRICAL PART
"db mb"**



493640 OR HZ09 - ELECTRICAL PARTS

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/T5 is required.

Benefits: Metal armature encapsulated in synthetic material provides high shock and corrosion protection.

Small size for ease of mounting in confined space.

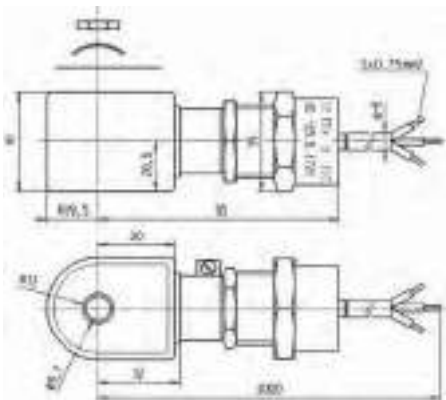


ZONE 1/21

Reference		493640 493640.60*			
Certificate		LCIE 02 ATEX 6009 X			
Coil Group		2.0 / 2.1			
Type of protection	Gas	II 2 G Ex db mb IIC T4/T5			
	Dust	II 2 D - Ex tb IIIC - T130°C / T95°C			
Degree of protection		IP65 according to IEC/EN 60529 Standards			
Ambiant temperature		- 40°C to +100°C / +75°C The application is limited also by the temperature range of the valve.			
Class of insulation		F (155 °)			
Electrical connection		Special "Ex db" cable gland, galvanized steel, with EPDM sealing. (EPR) cable, outside diameter 7.3 ± 0.5 mm and 3000 mm long.			
Elect. Power	DC	Pn (hot)	8 W		
		P (cold) 20°C	9 W		
	AC	Pn (holding)	8 W		
		Attraction cold	32 VA (9 W)		
Weight		500 g			
Voltages "Un"		VAC/Hz	Code	VDC	Code
- 15% to +10% of the Un		110/50	A5	24	C2
		110-120/50-60	P3	48	C4
		220-240/50-60	Q3	120	C6

To Order a Coil choose Coil Ref + Voltage Code, example: 493640 for 24 VDC = **493640C2**

* 493640.60 - 6 m cable length - Available only in C2



Fuses

This electrical part is equipped with a standard thermal cut-off fuse on all models and voltages

This electrical part must be connected in series with a safety fuse according to IEC 60127-3.

DC: 24V, 400 mA

AC: 110/50-120/60, 200 mA
220/50-240/60, 100 mA
230/50, 95 mA



ZONE 1/2/1

483371 & 494040 - ELECTRICAL PARTS 50 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 eb IIC T3 orT4 is required.

Benefits: Rotatable housing 360°, epoxy varnished steel with internal and external screw terminals for earth connection.

Small size for ease of mounting in confined space.Simplifies conversion of existing equipment to hazardous area requirements.



Reference		483371				494040				
Certificate		LCIE 02 ATEX 6011 X				LCIE 02 ATEX 6013 X				
Coil Group		2.0 / 2.1								
Type of protection	Gas	II 2 G - Ex eb IIC T4				II 2 G - Ex eb IIC T3 / T4				
	Dust	II 2 D - Ex tb IIIC - T130°C				II 2 D - Ex tb IIIC - T195°C / T130 °C				
Degree of protection		IP67 according to IEC/EN 60529 Standards								
Ambiant temperature		-40°C to +65°C The application is limited also by the temperature range of the valve.				-40°C to +90°C / to +65°C				
Class of insulation		F 155°C				H (180°)				
Electrical connection		By special cable gland or M20 x 1.5 "Ex eb" on screw terminals for wires up to 1.5 mm². Cables with outside diameter 6.5 mm to 13.5 mm can be simply sealed using the rubber gland with resilient sealing rings supplied.								
Elect. Power	DC	Pn (hot)	8 W				8 W			
		P (cold) 20°C	9 W				9 W			
	AC	Pn (holding)	8 W				8 W			
		Attraction cold	32 VA (9 W)				32 VA (9 W)			
Weight		320 g								
Voltages "Un"		VAC/Hz	Code	VDC	Code	VAC/Hz	Code	VDC	Code	
-10% to +10% of the Un		24/50	A2	24	C2	220-230/50	3D	24	C2	
		48/50	A4	48	C4					
		110-115/50	0A	110	C5					
		220-230/50	3D							

To Order a Coil choose Coil Ref + Voltage Code, example: 483371 for 24 VDC = **483371C2**

Fuses:

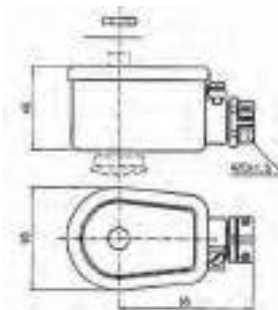
Both electrical parts have to be connected in series with a safety fuse according to IEC 60127-3.

483371:

DC: 24 V, 400 mA - 48V, 250 mA - 110 V, 100 mA
AC 50HZ: 24 V, 630 mA - 48V, 315 mA - 110 V, 160 mA - 220/230 V, 80 mA

494040:

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



**INCREASED SAFETY
AND ENCAPSULATED
ELECTRICAL PARTS "eb mb"**



492310 - ELECTRICAL PARTS 50 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 eb mb II T4 to T5 is required.

Benefits: Rotatable 360° fibreglass-reinforced plastic housing. Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

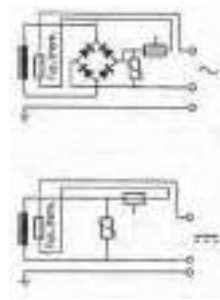
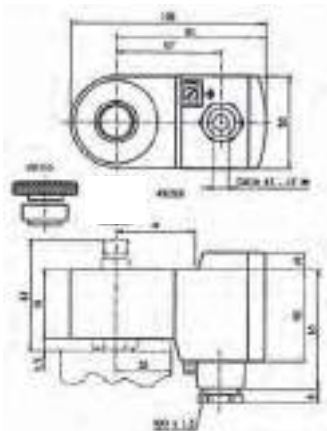
Small size for ease of mounting in confined space.



ZONE 1/21

Reference	492310			
Certificate	LCIE 02 ATEX 6023 X - IECEx LCI 06.0011 X			
Coil group	10.1			
Type of protection	Gas	II 2 G - Ex eb mb II T4 / T5		
	Dust	II 2 D - Ex tb IIIC - T130°C / T95°C		
Degree of protection	IP66 according to IEC/EN 60529 Standards			
Ambiant temperature	-40°C to +75°C / to +40°C The operating temperature of the valve/coil can be limited by that of the valve			
Class of insulation	F 155°C			
Electrical connection	Connection box with terminals and cable entry via gland M20 x 1.5 - Possibility for additional earth via external screw.			
Elect. Power	DC	Pn (hot)	6 W	
		P (cold) 20°C	7.5 W	
	AC	Pn (holding)	6 W	
		Attraction cold	7.5 W	
Weight	500 g			
Voltages "Un"	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un	24/50-60	P0	24	C2
	48/50-60	S4	48	C4
	230/50-60	P9	110	C5

To Order a Coil choose Coil Ref + Voltage Code, example: 492310 for 24 VDC = **492310C2**



492210 - ELECTRICAL PARTS "BOOSTER" 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 eb mb IIC T5/T6 is required.

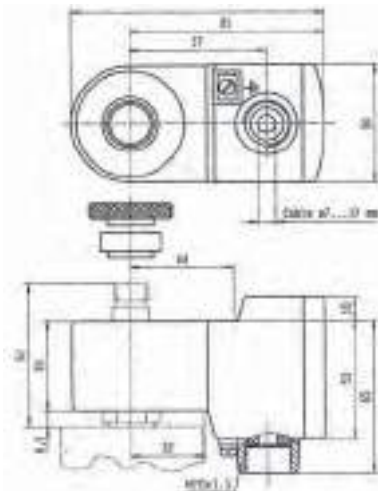
Benefits: Rotatable 360° fibreglass-reinforced plastic housing. Solenoid coil, fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection. Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.

Available only in 24 VDC (suffix code : C2)



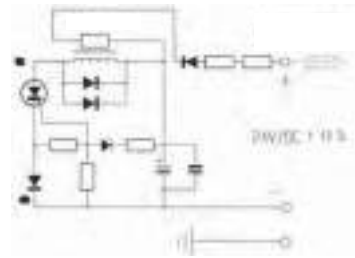
Reference	492210	
Certificate	LCIE 02 ATEX 6023 X - IECEx LCI 06.0011 X	
Coil group	9.0	
Type of protection	Gas	II 2 G - Ex eb mb IIC T5 / T6
	Dust	II 2 D - Ex tb IIIC - T95°C / T80°C
Degree of protection	IP66 according to IEC/EN 60529 Standards	
Ambient temperature	-40°C to +75°C / +40°C The operating temperature of the valve/coil can be limited by that of the valve	
Insulation Class	F 155°C	
Electrical connection	Connection box with terminals and cable entry via gland M20 x 1.5 Possibility for additional earth via external screw	
Power consumption DC	1 to 1.8 W according to length of cable	
Attraction current	I min = 60 mA (I nominal = 75 mA)	
Voltage DC	U nominal = 24 VDC (C2), Umin = 21.6 VDC	
Resistance	23 Ω + (R = 270 Ω)	
Inductance	0 mH	
Capacitance	0 μF	
Response time	2 - 4 s	
Weight	500 g	

To Order a Coil choose Coil Ref + Voltage Code, example: 492210 for 24 VDC = **492210C2**



Indications:

Booster for Offshore valves



These electrical parts need an external fuse of I = 100 mA

COIL GROUP

2.0/2.1

**INCREASED SAFETY
AND ENCAPSULATED
ELECTRICAL PARTS "eb mb"**



492190 - ELECTRICAL PARTS 50 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 eb mb IIC T3 to T4 is required.

Benefits: Rotatable 360°, fiberglass -reinforced plastic housing. Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

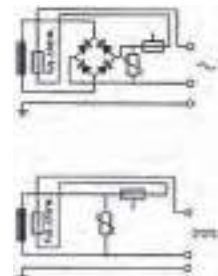
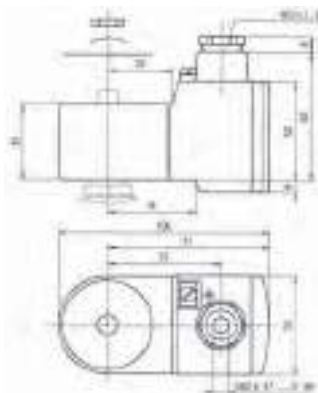
Small size for ease of mounting in confined space.



ZONE 1/21

Reference	492190			
Certificate	LCIE 02 ATEX 6023 X - IECEx LCI 06.0011 X			
Coil Group	2.0 / 2.1			
Type of protection	Gas	II 2 G - Ex eb mb IIC T3 / T4		
	Dust	II 2 D - Ex tb IIIC - 195°C / 130°C		
Degree of protection	IP66 according to IEC/EN 60529 Standards			
Ambient temperature	-40°C to +75°C / +40°C The operating temperature of the valve/coil can be limited by that of the valve			
Insulation Class	F 155°C			
Electrical connection	Connection box with terminals and cable entry via gland M20 x 1.5 Possibility for additional earth via external screw			
Electrical consumption	DC	Pn (hot)	9 W	
		P (cold) 20°C	11 W	
	AC	Pn (holding)	11 W	
		Attraction cold	13 W	
Weight	320 g			
Voltages "Un" -10% to +10% of the Un	VAC/Hz	Code	VDC	Code
	24/50-60	P0	24	C2
	110/50-60	P2	48	C4
	230/50-60	P9	110	C5

To Order a Coil choose Coil Ref + Voltage Code, example: 492190 for 24 VDC = **492190C2**





483580 - 483960 ELECTRICAL PARTS 32 mm "IS"

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 ia IIC T6 is required.

Benefits: Fully encapsulated assembly comprising a coil, metal armature, three diodes circuit and DIN plug connection.

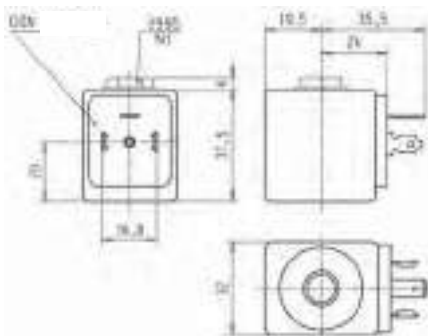
The encapsulation provides an effective compact housing offering full protection against dust, oil, water, etc.

Small size for ease of mounting in confined space. Available only in 28 VDC (suffix code : N7)



Reference (without plug) (with plug)	483580.01 483960.01	
Certificate	LCIE 02 ATEX 6065 X - IECEx LCI 07.0025 X	
Coil Group	7.0	
Type of protection	Gas	II 1 G - Ex ia IIC - T6
	Dust	II 1 D - Ex ta IIIC - T80°C
Degree of protection	IP65 with plug according to IEC/EN 60529 Standards	
Ambiant temperature	- 40°C à + 55°C The operating temperature of the valve/coil can be limited by that of the valve.	
Electrical connection	The coil is connected with a 2P + E plug according to EN 175301-803 type A Contact 1 is marked as the positive pole ⊕.	
Maximum supply voltage	28 VDC (N7) - 110 mA The minimum operating voltage at maximum 60°C is 14 VDC.	
Power	DC	Minimum
		Maximum
		500 mW 3 W Depending on applied voltage, IS barrier type and resistance of connected cable
Coil resistance at 20°C	340 Ω	
Impedance	340 Ω	
Apparent inductance	0 mH	
Apparent capacitance	0 μF	
Weight	160 g (with plug)	

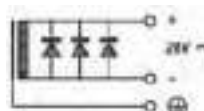
To Order a Coil choose Coil Ref + Voltage Code, example: 483580 for 28 VDC = 483580N7



Important

The intrinsically safe supply circuit should have enough capacity in all environmental conditions to assure a **minimum operating current of 35 mA** through the coil.

The minimal holding current is 20 mA.



For the barrier compatibility see the corresponding table in in appendix section.

These coil must be used with suitable housing : Ref. 2995

COIL GROUP

8.0

INTRINSICALLY SAFE
ELECTRICAL PARTS
"ia"



495910 - MINIWATT - 0.3 W
ELECTRICAL PARTS "IS" "BOOSTER" 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 ia 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.

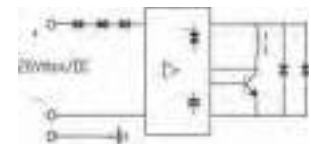
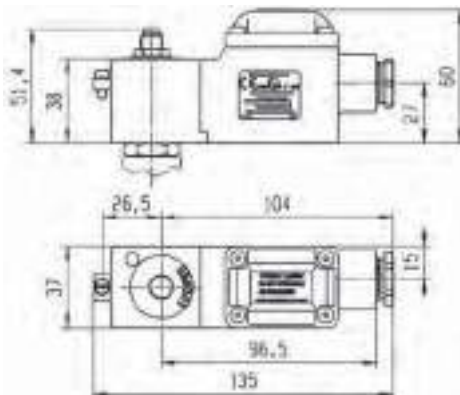
Small size for ease of mounting in confined space. Available only in 28 VDC (code: N7).



ZONE 0/20

Reference	495910	
Certificate	LCIE 03 ATEX 6464 X - IECEx LCI 07.0006 X	
Coil Group	8.0	
Type of protection	Gas	II 1 G - Ex ia IIC - T4 / T5 / T6
	Dust	II 1 D - Ex ta IIC T80 / 95 / 130°C
Degree of protection	IP67 according to IEC/EN 60529 Standards	
Ambiant temperature	- 40°C to +80°C / 75°C / 65°C The application is limited also by the temperature range of the valve..	
Class of insulation	H 180°C	
Electrical connection	Electric connection is done in the connection box on an easily accessible connector terminals. The introduction of the cable (Ø min 7 mm, Ømax. 11 mm, section max. 2.5 mm²) in the connection box passes by the built in M20 x 1.5 cable gland	
Maximum supply voltage	28 VDC (N7) - 110 mA	
Power	DC Minimum	0.3 W (with 13 VDC)
	DC Maximum	1.2 W (with 24 VDC)
	Depending on applied voltage, IS barrier type and resistance of connected cable	
Line check	4 mA or 5 VDC max	
Coil resistance at 20°C	Charge ~ 550 Ω - Holding ~ 500 Ω	
Impedance	0 mH	
Apparent inductance	0 µF	
Response time	2 - 3 s	
Weight	500 g	

To Order a Coil choose Coil Ref + Voltage Code, example: 495910 for 28 VDC = 495910N7





ZONE 0/20

**496565 ELECTRICAL PARTS "BOOSTER"
"IS" 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 ia IIC T4 to T6 is required.

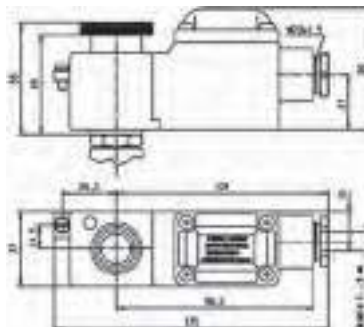
Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

The plastic housing is delivered with M20 x 1.5 cable gland. Small size for ease of mounting in confined space. Available only in 28 VDC (code: N7).



Reference	496565	
Certificate	LCIE 08 ATEX 6071 X - IECEx LCI 08.0030 X	
Coil group	9.0	
Type of protection	Gas	II 1 G - Ex ia IIC - T4 / T5 / T6
	Dust	II 1 D - Ex ta IIC - T80 / T95 / T130°C
Degree of protection	IP67 according to IEC/EN 60529 Standards	
Ambiant temperature	- 40°C to +80 / 75 / 65°C The application might also be limited by the temperature range of the valve.	
Electrical connection	Cable connection through a plastic cable gland M20 x 1.5 allowing use of cable diameter from 7 to 12 mm. Additional earth connection possible with external screw terminal.	
Class of insulation	H180°C	
Minimum Courant of function	20 mA	
Minimum voltage of function at 60°C	28 VDC (N7)	
Safety parameters	28 V / 110 mA / 0.77 W	28 V / 280 mA / 1.96 W
Maximum acceptable values: Ui (V) / Ii (mA) / Pi (W)	27 V / 120 mA / 0.81 W	27 V / 320 mA / 2.16 W
	26 V / 135 mA / 0.88 W	26 V / 350 mA / 2.27 W
	25 V / 150 mA / 0.94 W	25 V / 390 mA / 2.43 W
	24 V / 170 mA / 1.02 W	24 V / 430 mA / 2.58 W
Line check	4 mA or 5 VDC max	
Apparent Impedance Typ.	Attraction ~ 600 Ω - Holding ~ 570 Ω	
Apparent Inductance	0 mH	
Apparent Capacitance	0 μF	
Response Time Typ.	2 - 4 s	
Weight	500 g	

To Order a Coil choose Coil Ref + Voltage Code,
example: 496565 for 28 VDC = **496565N7**



COIL GROUP

9.0

**INTRINSICALLY SAFE
ELECTRICAL PARTS
"ia"**



**492965 ELECTRICAL PART
"BOOSTER" "IS" 50 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 ia IIC - T6 is required.

Benefits: Rotatable 360° fibreglass-reinforced plastic housing. Solenoid coil, fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection. Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.

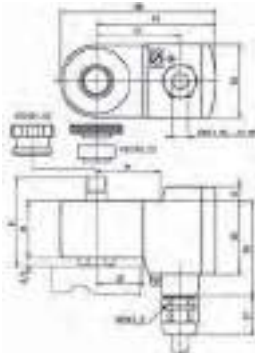
Small size for ease of mounting in confined space. Available only in 28 VDC.



ZONE 0/20

Reference	492965.01 - (Stainless steel fixation) 492965.02 - (Plastic fixation)	
Certificate	LCIE 02 ATEX 6066 X - IECEx LCI 07.0007 X	
Coil Group	9.0	
Type of protection	Gas	II 1 G - Ex ia IIC - T6
	Dust	II 1 D - Ex ta IIIC - T80°C
Degree of protection	IP66 according to IEC/EN 60529 Standards	
Ambiant temperature	- 40°C to +65°C The application is limited also by the temperature range of the valve.	
Electrical connection	Cable connection through a plastic or stainless steel cable gland M20 x 1.5 allowing use of cable diameter from 10 to 12 mm. Additional earth connection possible with external screw terminal.	
Class of insulation	H180°C	
Maximum supply voltage	28 VDC (N7) - 110 mA	
Power	DC	Minimum
		Maximum
		0.3 W (with 13 VDC) 2.3 W (with 24 VDC)
Line check	Depending on applied voltage, IS barrier type and resistance of connected cable 4 mA or 5 VDC max	
Coil resistance at 20°C	85 Ω	
Impedance	275 Ω (with 13 VDC) - 260 Ω (with 24 VDC)	
Apparent inductance	0 mH	
Apparent capacitance	0 μF	
Response time	2 - 4 s	
Weight	500 g	

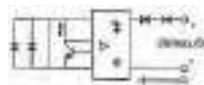
To Order a Coil choose Coil Ref + Voltage Code, example: 492965.01 for 28 VDC = **492965.01N7**



Important

The intrinsically safe supply circuit should have enough capacity in all environmental conditions to assure a **minimum operating current of 29 mA** through the coil.

The minimal holding current is 20 mA.



For the barrier compatibility see the corresponding table in appendix section.

**INTRINSICALLY SAFE
ELECTRICAL PARTS
"ia"**



ZONE 0/20

**482870.01 & 492335 "NEMA"
ELECTRICAL PARTS "IS" 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 an explosion-proof protection Ex ia IIC - T6 is required.

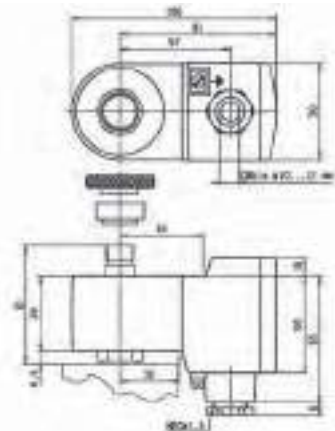
Benefits: Rotatable 360° housing, polyamid with fibreglass housing and cover. Coil, electronic circuits and other elements required for intrinsic safety are completely encapsulated in the housing with epoxy material for shock and corrosion protection.

Small size for ease of mounting in confined space.



Reference	482870.01		492335	
Certificate	LCIE 02 ATEX 6024 X		LCIE - FM - CSA	
Coil Group	12.0			
Type of protection	Gas	II 1 G - Ex ia IIC - T6		Cl. I, Div.I, Gr. A, B, C, D, Cl. II, Div.I, Gr. E, F, G
	Dust	II 1 D - Ex ta IIIC - T80°C		
Degree of protection	IP66 according to IEC/EN 60529 Standards		NEMA 4 - 4X	
Ambiant temperature	- 40°C to +65°C		+60°C	
The application is limited also by the temperature range of the valve.				
Class of insulation	H180°C			
Electrical connection	Cable connection through a stainless steel cable gland M20 x 1.5 allowing use of cable diameter from 10 to 12 mm. Additional earth connection possible with external screw terminal.			
Maximum supply voltage	28 VDC (N7) - 110 mA		30 VDC (L8) - 100 mA	
Power	DC	Minimum	300 mW	
		Maximum	3 W	
Depending on applied voltage, IS barrier type and resistance of connected cable				
Coil resistance at 20°C			295 Ω	
Impedance			345 Ω	
Apparent inductance			0 mH	
Apparent capacitance			0 μF	
Weight			500 g	

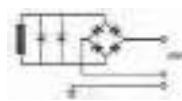
To Order a Coil choose Coil Ref + Voltage Code, example: 492335 for 30VDC = **492335L8**



Important

The intrinsic safety supply circuit must have sufficient capacitance in all ambient conditions to guarantee a minimum operating current in excess of **29 mA** across the coil.

The minimum current for holding in the energised position is 20 mA



For the barrier compatibility see the corresponding table in appendix section.

COIL GROUP

7.0

**INTRINSICALLY SAFE
ELECTRICAL PARTS
"ia"**



**488650.01 & 490885 "NEMA"
ELECTRICAL PARTS "IS" 50 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 ia IIC - T6 is required.

Benefits: Rotatable 360° housing, polyamid with fibreglass housing and cover. Coil, electronic circuits and other elements required for intrinsic safety are completely encapsulated in the housing with epoxy material for shock and corrosion protection.

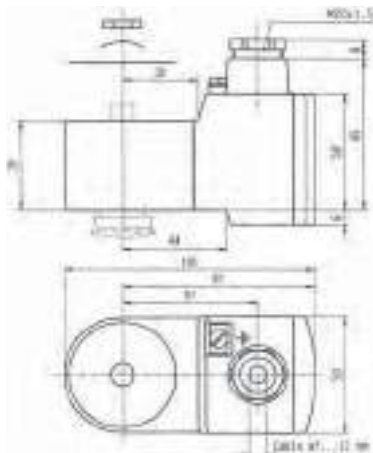
Small size for ease of mounting in confined space.



ZONE 0/20

Reference		488650.01	490885
Certificate		LCIE 02 ATEX 6024 X	LCIE / FM / CSA
Coil Group		7.0	
Type of protection	Gas	II 1 G - Ex ia IIC - T6	Cl. I, Div.I, Gr. A, B, C, D, Cl. II, Div.I, Gr. E, F, G
	Dust	II 1 D - Ex ta IIIC - T80°C	
Degree of protection		IP66 according to IEC/EN 60529 Standards	NEMA 4 - 4X
Ambiant temperature		- 40°C to +65°C The operating temperature of the valve/coil can be limited by that of the valve.	60°C
Electrical connection Cable entry through a cable gland M20 x1.5. Screw terminals for leads 3 x 1.5 mm ² max. Additional earth connection possible with external screw terminal			
Class of insulation		H180°C	
Maximum supply voltage		28 VDC (N7) - 110 mA The minimum operating voltage at maximum 60°C is 11.5 VDC.	30 VDC(L8) - 100 mA
Power	DC	Minimum	300 mW
		Maximum	3 W
Dependent on the applied voltage, type of barrier IS and the resistance of the connected cable			
Coil resistance at 20°C		295 Ω	
Impedance		345 Ω	
Apparent inductance		0 mH	
Apparent capacitance		0 μF	
Weight		500 g	

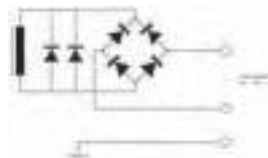
To Order a Coil choose Coil Ref + Voltage Code, example: 490885 for 30VDC = 490885L8



Important

The intrinsically safe supply circuit should have enough capacity in all environmental conditions to assure a **minimum operating current of 29 mA** through the coil.

The minimal holding current is 20 mA.



For the barrier compatibility see the corresponding table in appendix section.



ZONE 0/20

**488660.01 & 490890 " NEMA"
ELECTRICAL PARTS "IS" 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 ia IIC T6 is required.

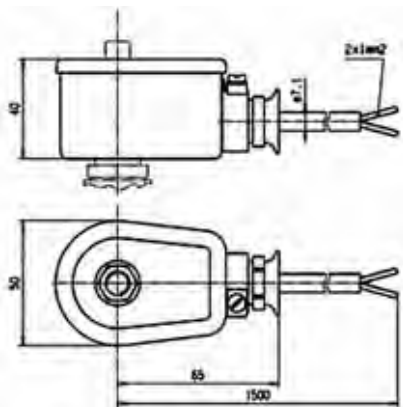
Benefits: Rotatable 360° housing, epoxy varnished steel housing and cover. Coil, electronic circuits and other elements required for intrinsic safety are completely encapsulated in the housing with epoxy material for shock and corrosion protection.

Small size for ease of mounting in confined space.



Reference		488660.01	490890
Certificate		LCIE 02 ATEX 6024 X	LCIE / FM / CSA
Coil Group		7.0	
Type of protection	Gas	II 1 G - Ex ia IIC - T6	Cl. I, Div.I, Gr. A, B, C, D Cl. II, Div.I, Gr. E, F, G
	Dust	II 1 D - Ex ta IIIC - T80°C	
Degree of protection		IP67 according to IEC/EN 60529 Standards	NEMA 4 - 4X
Ambiant temperature		- 40°C to +65°C The operating temperature of the valve/coil can be limited by that of the valve	+60°C
Electrical connection Cable connection (2 x 1 mm ²) with cable gland M20 x1.5, external earth screw connection.			
Class of insulation		H180°C	
Maximum supply voltage		28 VDC - 110 mA (N7) The minimum operating voltage at maximum 60°C is 11.5 VDC.	30 VDC - 100 mA (L8)
Power	DC	Minimum	300 mW
		Maximum	3 W
Dependent on the applied voltage, type of barrier IS and the resistance of the connected cable			
Coil resistance at 20°C		295 Ω	
Impedance		345 Ω	
Apparent inductance		0 mH	
Apparent capacitance		0 μF	
Weight		500 g	

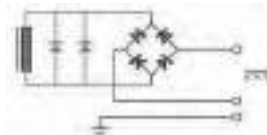
To Order a Coil choose Coil Ref + Voltage Code, example: 490890 for 28 VDC = 490890N7



Important

The intrinsic safety supply circuit must have sufficient capacitance in all ambient conditions to guarantee a minimum operating current in excess of **29 mA** across the coil.

The minimum current for holding in the energised position is 20 mA.



For the barrier compatibility see the corresponding table in appendix section.

COIL GROUP

7.0

**INTRINSICALLY SAFE
ELECTRICAL PARTS
"ia"**



488670.01 - ELECTRICAL PARTS "IS" 50 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 ia IIC - T6 is required.

Benefits: Rotatable 360° housing, epoxy varnished steel housing and cover. Coil, electronic circuits and other elements required for intrinsic safety are completely encapsulated in the housing with epoxy material for shock and corrosion protection.

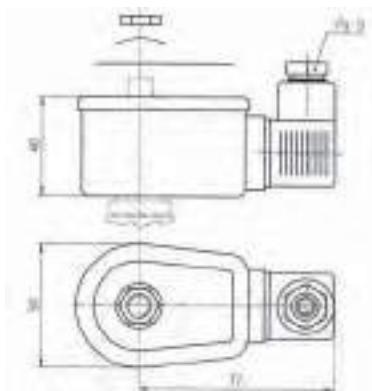
Small size for ease of mounting in confined space.



ZONE 0/20

Reference	488670.01	
Certificate	LCIE 02 ATEX 6024 X	
Coil group	7.0	
Type of protection	Gas	II 1 G - Ex ia IIC - T6
	Dust	II 1 D - Ex ta IIC - T80°C
Degree of protection	IP65 according to IEC/EN 60529 Standards	
Ambiant temperature	- 40°C to +65°C The operating temperature of the valve/coil can be limited by that of the valve	
Electrical connection	Cable entry through a cable gland M20 x1.5. Screw terminals for leads 3 x 1.5 mm ² max. Additional earth connection possible with external screw terminal.	
Maximum supply voltage	28 VDC (N7) - 110 mA The minimum operating voltage at maximum 60°C is 11.5 VDC.	
Power	DC	Minimum
		Maximum
		300 mW
		3 W
		Dependent on the applied voltage, type of barrier SI and the resistance of the connected cable
Coil resistance at 20°C	295 Ω	
Impedance	345 Ω	
Apparent inductance	0 mH	
Apparent capacitance	0 μF	
Weight	500 g	

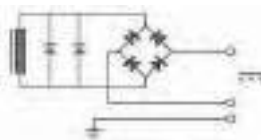
To Order a Coil choose Coil Ref + Voltage Code, example: 488670.01 for 28 VDC = **488670.01N7**



Important

The intrinsic safety supply circuit must have sufficient capacitance in all ambient conditions to guarantee a minimum operating current in excess of **29 mA** across the coil.

The minimum current for holding in the energised position is 20 mA.



For the barrier compatibility see the corresponding table in appendix section.

TABLE OF CONTENT

INTRODUCTION

Index for Explosion Proof Electrical Parts.....	442
List of Coil Groups.....	443

COILS

Coils for DIN plug connection.....	446
Coils with flying leads.....	469
Coils with screw terminal.....	474
Coils with ISO-DIN connector.....	481

EXPLOSION PROOF ELECTRICAL PARTS

Level of protection "nAc nCc".....	484
Level of protection "db".....	492
Level of protection "mb".....	494
Level of protection "db mb".....	499
Level of protection "eb".....	504
Level of protection "eb mb".....	505
Level of protection "ia".....	508

HOUSINGS.....	518
----------------------	------------

COIL ACCESSORIES.....	522
------------------------------	------------

EXPLOSIVE ENVIRONMENTS.....	524
------------------------------------	------------

COIL APPENDICES

Guidance chart for IS-Barriers.....	534
-------------------------------------	-----

COIL STANDARD HOUSING WITH SCREW TERMINALS

Standard housing:

Reference:	4270
Material:	Epoxy varnished steel with cathaphoresis traitement
Degree of protection:	IP according to IEC/EN 60529 IP 10 with armoured conduit IP 44 with cable gland
Electrical connection:	Can be made with armoured conduit or cable gland M12x1.5. Parts No. 495740 (cable gland M12x1.5) and 484093 to be ordered separately. Grounding connection by screw M3 on the inside of housing base plate.
Weight:	120 g



Benefits:

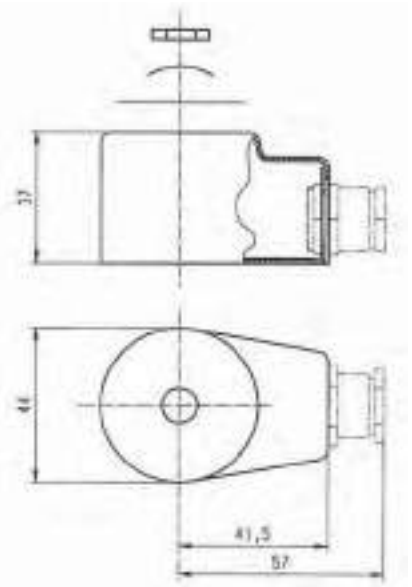
This metal housing offers the ideal protection against shocks and corrosion- rotatable 360° - easy mounting in confined spaces - single-nut mounting - light weight - simplifies conversion of existing equipment to other requirements.

Application:

The majority of the Lucifer® valves can be fitted with this standard housing, and can be mounted with several compatible Lucifer® coils group.

Compatible coils:

- **481000 - Standard Coil**
8 W Class F (155°C)
- **483520 - Double-Frequency Coil**
9 W Class F (155°C)
- **481044 - Standard High-Power Coil**
14 W Class F (155°C)
- **485100 - Standard High-Temperature Coil**
8 W Class H (180°C)
- **486265 - High-Temperature and High-Power Coil**
14 W Class H (180°C)



HOUSING

4269**HOUSING FOR BISTABLE
(IMPULSE) COILS****Housing for bistable coil:**

Reference:	4269
Material:	Epoxy varnished steel
Degree of protection:	IP according to IEC/EN 60529 IP 10 with armoured conduit IP 44 with cable gland
Electrical connection:	Can be made with armoured conduit or cable gland M12x1.5. Parts No. 484092 and 484093 to be ordered separately. Grounding connection by screw M3 on the inside of housing base plate.
Weight:	120 g

**Benefits:**

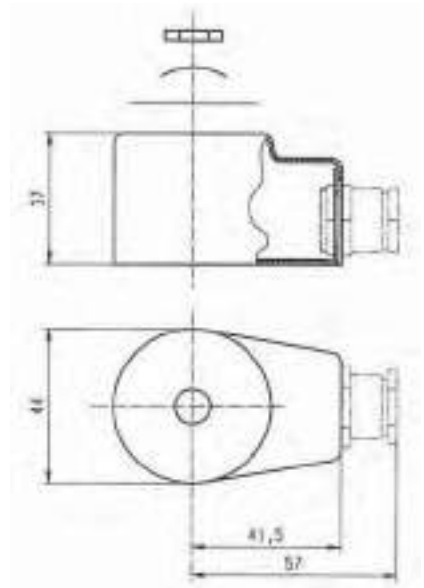
This metal housing offers the ideal protection against shocks and corrosion- rotatable 360° - easy mounting in confined spaces - single-nut mounting - light weight - simplifies conversion of existing equipment to other requirements.

Application:

This housing is specially designed for group 4.0 coils and can be mounted only with valves controlled by electrical impulses.

Compatible coils:

- **484990 - Impulse coil for AC**
11 W Class F (155°C)
- **485400 - Impulse coil for DC**
13 W Class F (155°C)



WATERPROOF AND DUSTPROOF HOUSING

Waterproof housing:

Reference:	4538
Material:	Epoxy varnished steel
Degree of protection:	IP according to IEC/EN 60529 IP 67 with cable gland
Electrical connection:	Cable connection by cable gland M20x1.5 according to DIN 46320. Cable with outer diameter 6.5 - 13.5 mm can be simply sealed using a rubber gland with resilient sealing rings. The enclosure is internally and externally fitted with grounding and earthing screw terminals.
Weight:	180 g



Benefits:

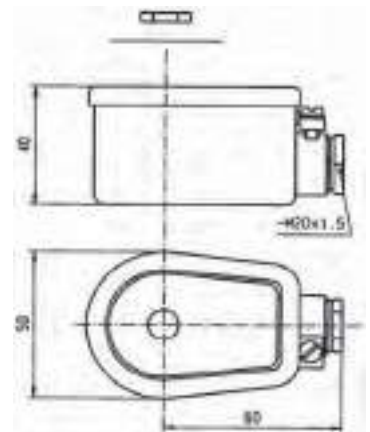
This enclosure is dust- and waterproof. It corresponds to the degree of "International Protection" IP 67 according to IEC / EN 60529. Corrosion resistant, the metal housing offers good protection for the coil against shocks and other outside influences - rotatable 360° - easy mounting in confined spaces - easy access to the screw terminals - single-nut mounting - light weight - simple conversion of existing electrical equipment to other requirements without interruption of fluid passage in the valve.

Application:

This housing can be equipped with several coils of our range, like the standard, double-frequency and magnetic latch coils.

Compatible coils:

- **481000 - Standard Coil**
8 W Class F (155°C)
- **483520 - Double-Frequency Coil**
9 W Class F (155°C)
- **484990 - Impulse Coil for AC**
11 W Class F (155°C)
- **485400 - Impulse Coil for DC**
13 W Class H (180°C)



HOUSING

8520**WATERPROOF HOUSING
FOR HIGH-TEMPERATURE COILS****Waterproof housing:**

Reference:	8520
Material:	Epoxy vernished steel
Degree of protection:	IP according to IEC/EN 60529 IP 67 with cable gland
Electrical connection:	Cable connection by cable gland M20x1.5 according to European standards. Cable with outer diameter 6.5 - 13.5 mm can be simply sealed using a rubber gland with resilient sealing rings. The enclosure is internally and externally fitted with grounding and earthing screw terminals.
Weight:	180 g

**Benefits:**

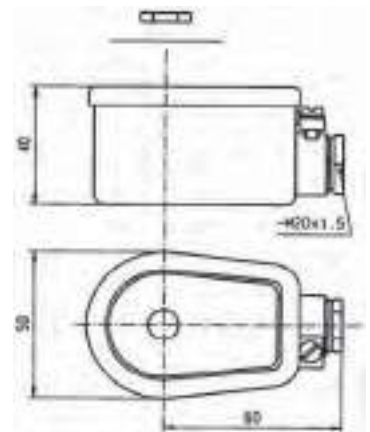
This enclosure is dust- and waterproof. It corresponds to the degree of "International Protection" IP 67 according to IEC / EN 60529. Corrosion resistant, the metal housing offers good protection for the coil against shocks and other outside influences - rotatable 360° - easy mounting in confined spaces - easy access to the screw terminals - single-nut mounting - light weight - simple conversion of existing electrical equipment to other requirements without interruption of fluid passage in the valve.

Application:

The majority of the Parker Lucifer® valves can be fitted with this housing and can be mounted with several compatible Parker Lucifer® coils for high temperature (14 W, 8 W Class F or H).

Compatible coils:

- **481044 - High Power Coil**
14 W Class F (155°C)
- **486265 - High Power Coil**
14 W Class H (180°C)
- **485100 - Coil for High Temperature**
8 W Class H (180°C)



22 mm
32 mm

COIL ASSEMBLY KITS

COIL ASSEMBLY KIT FOR 22 mm COIL

The coil assembly kit corresponds to the numbering system for Parker Lucifer® valve housings (Valve - housing - coil/voltage).

It is composed of a nameplate with the details of the valve type, a washer and a nut to secure the 22 mm coil to the valve.

Caution: This coil assembly kits for 22 mm coils are not adapted for high flow valves, ask your distributor for the adapted kit.



KIT OF 100 PIECES

Reference	Specification	Application
488993.50	Standard - aluminium nameplate - passivated washer and nut - pressure indication in [bar]	Standard valves

COIL ASSEMBLY KIT FOR 32 mm COIL

The coil assembly kit corresponds to the "housing" of Parker Lucifer® valve numbering system (Valve - housing - coil/voltage).

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



KIT OF 100 PIECES

Reference	Specification	Application
482995.50	Standard - Aluminium nameplate - Passivated iron washer and nut - Pressure indication in [bar]	Standards valves

ACCESSORIES

DIN PLUG CONNECTOR ACCORDING TO EN 175301-803 - B

No. 481043 for Parker Lucifer® coil
No. 600040 for Parker coil

Electrical connection suitable for all 22 mm coils
(e.g. 488980, 481180)



DIN PLUG CONNECTOR ACCORDING TO EN 175301-803 - A

No. 486586 for standard Parker Lucifer® version
No. 492645 for high temperature Parker Lucifer® version
No. 600004 for Parker version

Electrical connection suitable for all 32 mm coils
(e.g. 481865, 492425)



METALIC ASSEMBLY KIT

Nut No. 482213 M14 x 1+ Ring No. 482214 +
O-Ring No. 483917

Coil assembly kit for offshore electrical parts
(e.g. 482870.01, 492210, 492965.01, 496565, 496700)



PLASTIC NUT WITH METAL INSERT

No. 8886

For Oil & Gaz electrical parts
(e.g. 492965.01)



CABLE GLAND

No. 492398 - Pg 13.5 -Ex eb II
No. 493841 - M20x1.5 - Ex ia IIC

Electrical connection and mooring cable with 6 to 12 mm diameter, for electrical parts approved "eb mb" or "ia"
(e.g. 492190, 492965....)



CABLE GLAND

No. 493426 - 1/2"-14 NPT

Electrical connection and mooring cable with 6 to 12 mm diameter, for flameproof approved electrical parts
(e.g. 493640)

