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

Parker Hannifin Corporation
Fluid Control Division Europe
General Catalogue FCDE/0110/UK/V2.0

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.).

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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 IIIC 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 Intrinsicaly 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 Intrinsicaly safe coils or electrical parts with booster
9.0	Special valves "xx" or on 9000 Series, for Intrinsicaly 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 Liquipure coils for Beverage Dispensing

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COILS FOR DIN PLUG CONNECTION

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.

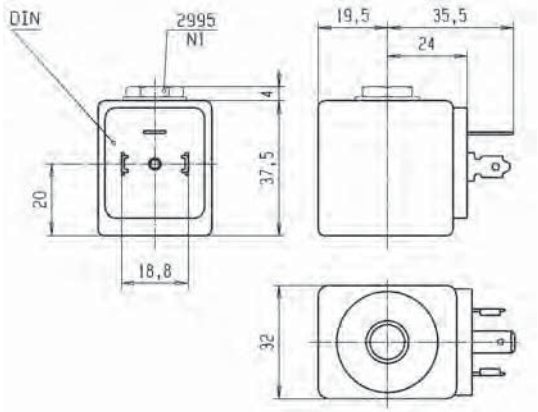
Specification			Standard				Double frequency	
Ref. (without DIN plug) Ref. (with DIN plug)			481865 482725				483510 482635	
Coil Group			2.0 / 2.1					
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).					
Class of insulation			F 155°C					
Electrical connection			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 48/50 110/50 220-230/50	A2 A4 A5 3D	24 48 110	C2 C4 C5	24/50, 24/60 48/50, 48/60 110-115/50, 120/60 220-240/50, 240/60	P0 S4 S5 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.

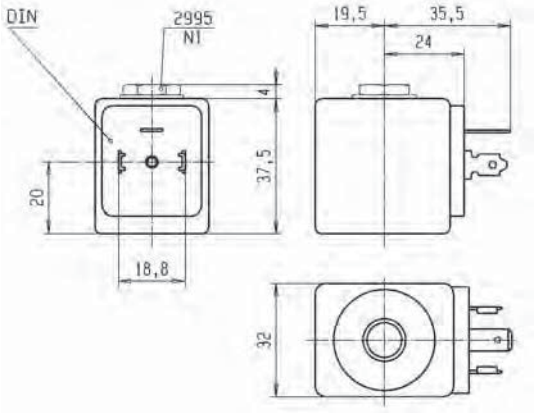
Specification			High temperature				High temp. + high power			
Ref. (without DIN plug) Ref. (with DIN plug)			492453 492726				492425 492727			
Coil Group			2.0 / 2.1				2.0 / 2.2			
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).							
Class of insulation			H 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 48/50 110/50 220/50-230/50	A2 A4 A5 3D	12 24 48 110	C1 C2 C4 C5	24/50 110/50 230/50	A2 A5 F4	24	C2

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.



COILS FOR DIN PLUG CONNECTION

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.

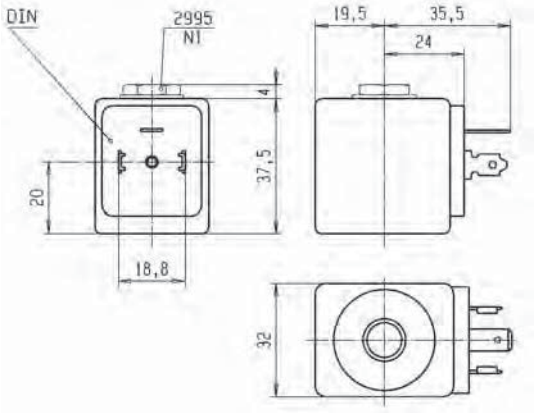
Specification			Reduced power			
Ref. (without DIN plug) Ref. (with DIN plug)			482730 482735			
Coil Group			3.0			
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation			F 155°C			
Electrical connection			The coil is connected with a 2 P + E 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.



COIL GROUP
6.0

COILS FOR DIN PLUG CONNECTION

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.

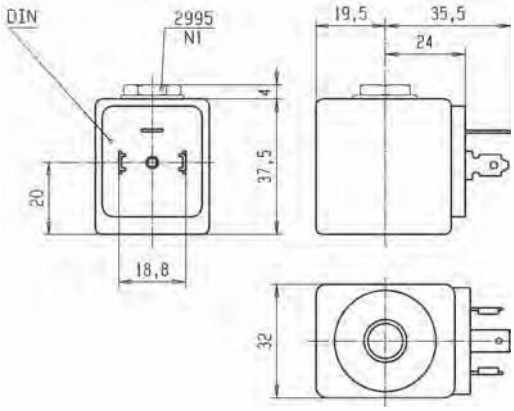
Specification			Miniwatt	
Reference (without DIN plug) Reference (with DIN plug)			**482740** **482745**	
Coil Group			**6.0**	
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation			F 155°C	
Electrical connection			The coil is connected with a 2 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 48 110	C2 C4 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)

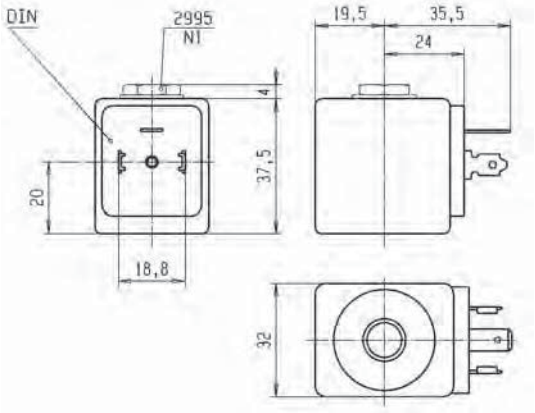
Specification			UL-recognized coil - UL File E200N - designation AMIF			
Reference (without DIN plug)			491514			
Coil Group			2.0 / 2.1			
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation			F (155°C)			
Electrical connection			The coil is 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.



COIL GROUP
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.

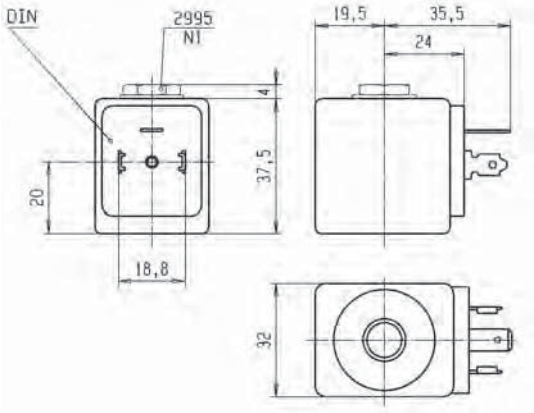
Specification			Coil for oil burner - UL recognized	
Reference (without DIN plug)			483764	
Coil group			14.2	
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation			F 155°C	
Electrical connection			With DIN 43650 A Plug	
Ambient temperature			-40°C 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			240/50-60 110/50-115/60 230/50-240/60	Q1 Q9 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.



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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)

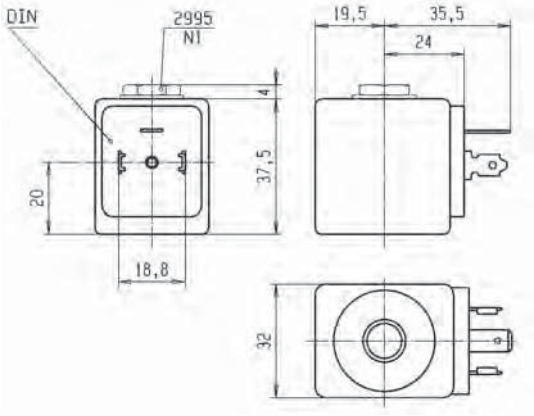
Specification			32 mm coil 14 W			
Reference			483816			
Coil Group			2.2			
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation			F 155°C			
Electrical connection			The coil is connected with a 2 P + E plug according to EN 175301-803 type A			
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.



COIL GROUP

1.1

COILS FOR DIN PLUG CONNECTION

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.

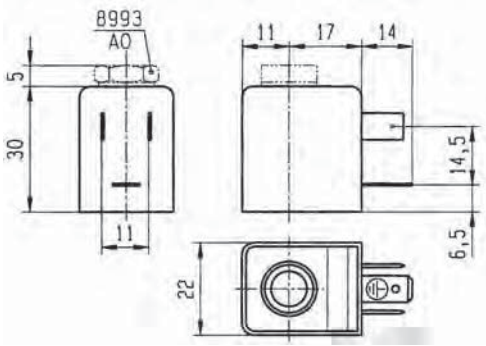
Specification			Low power				High power			
Ref. (without DIN plug) Ref. (with DIN plug)			488980 481045				481180 481530			
Coil Group			1.1							
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).							
Class of insulation			F 155°C							
Electrical connection			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 48/50 110/50-115/50 220/50-230/50	A2 A4 0A 3D	24 48 110	C2 C4 C5	24/50 110/50-115/50 220/50-230/50	A2 0A 3D	24	C2

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.

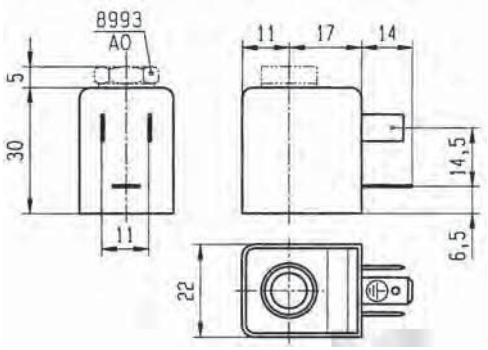
Specification			Standard UL (only if used with 321K, 121M, 131M valves)			
Reference (without DIN plug) Reference (with DIN plug)			492912 492919			
Coil Group			1.1			
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation			A 105°C for UL/CSA			
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			48/50-48/60 115/50-120/60	S4 P8	24	C2

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.



COIL GROUP

1.1

COILS FOR DIN PLUG CONNECTION

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).

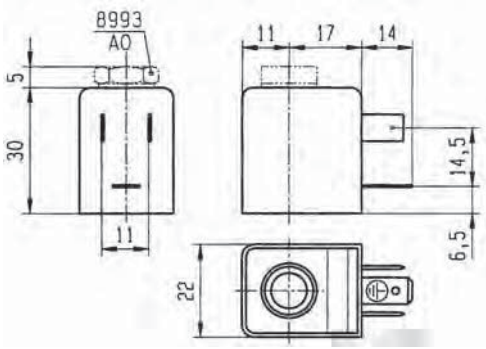
Specification			Double frequency	
Reference (without DIN plug)			483590	
Coil group			1.1	
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation			F 155°C	
Electrical connection			The coil is connected with a 2 P + E plug according to EN 175301-803 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 48/50-60 110-115/50, 120/60 220-240/50, 240/60	P0 S4 S5 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.



Parker Hannifin Corporation
Fluid Control Division Europe
General Catalogue FCDE/0110/UK/V2.0

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).

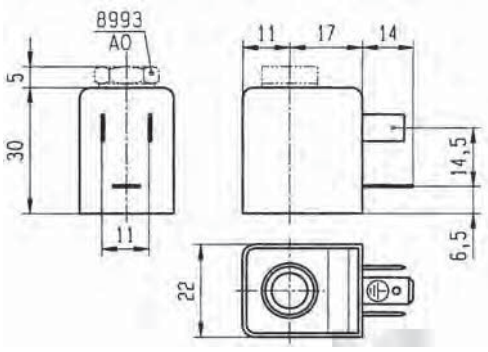
Specification			Double frequency	
Reference (without DIN Plug)			488143	
Coil group			1.1	
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation			F 155°C	
Electrical connection			The coil is connected with a 2 P + E plug according to EN 175301-803 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			100/50-60 200/50-60	P1 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.



COIL GROUP

1.2

COILS FOR DIN PLUG CONNECTION

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.

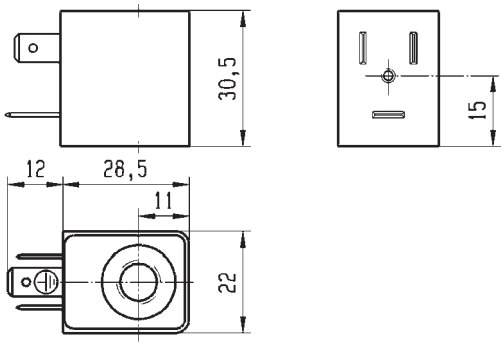
This coil is designed for valves equipped with a miniature tube assembly (2000 series valves). This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

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.

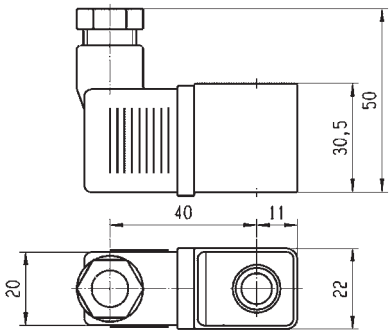
The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.
Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.
Coil conforms to the 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.

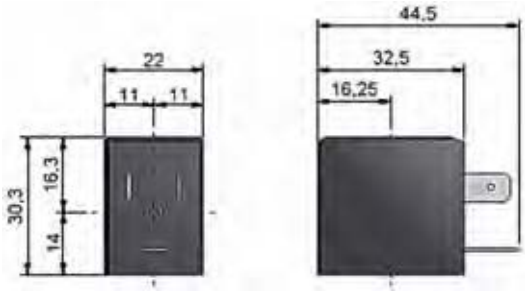
The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Coils conforms to the IEC/ CENELEC safety standards and complies with European low-voltage directive. For UL recognized version: UL file MH19410.

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 The application is limited also by the temperature range of the valve.	-10°C to +50°C	-10°C to +50°C
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	100/50-60 115/50-60 230/50-60 110/50	**302609** **304260** **304262J** **304316**	115/60 208-240/60 24/60	**304087** **304089** **304086**	115/50-60 230/50-60 24/50-60	**302672** **302674** **302670**
	WB5.0 VDC	**Order Number**	**WB5.0 cURus VDC**	**Order Number**		
	110 VDC 12 VDC	**302660** **302652**	24 VDC	**302654**		

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.



COILS FOR DIN PLUG CONNECTION

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.

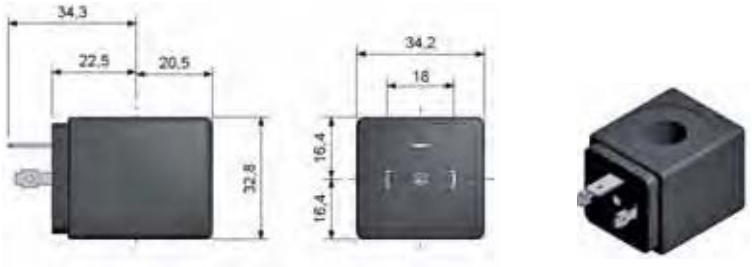
For UL recognized version: UL file MH19410.

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.



COIL GROUP

20.2

COILS FOR DIN PLUG CONNECTION

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.

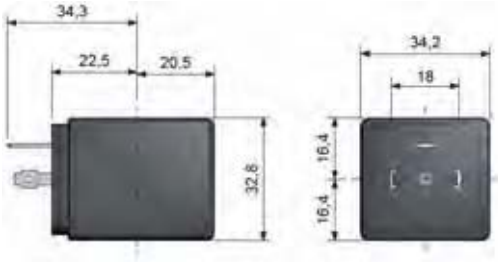
Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber.
IP65 protection rate with EN 175301-803:2006-A. Three pin connector.

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 The application is limited also by the temperature range of the valve.			ZH14/ZH16 -10°C to +80°C			
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 ZB14 24/50-60 ZB14 100/50-60 ZB14 115/50-60 ZB14 230/50-60 ZB14 240/50-60 ZB14 380/50-60 ZB14 48/50-60	**304052** **304054** **304084** **304060** **304062** **304064** **304066** **304058**	ZB16 12DC ZB16 24DC ZB16 110DC	**304068** **304070** **304072**	ZH14 24/50-60 ZH14 115/50-60 ZH14 230/50-60	**304100** **304102** **304104**	ZH16 24DC ZH16 12DC	**304112** **304110**

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.



COILS FOR DIN PLUG CONNECTION

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.

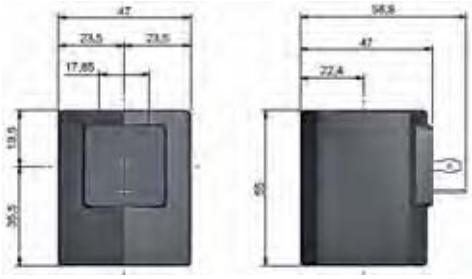
Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber.
IP65 protection rate with EN 175301-803:2006-A. Three pin connector.

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 JB14 115/50-60 JB14 230/50-60 JB14 240/50-60	**304900** **304910** **304915** **304920**	JB16 12DC JB16 24DC JB16 196DC	**304945** **304950** **304958**

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.



COIL GROUP

22.0

COILS FOR DIN PLUG CONNECTION

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.

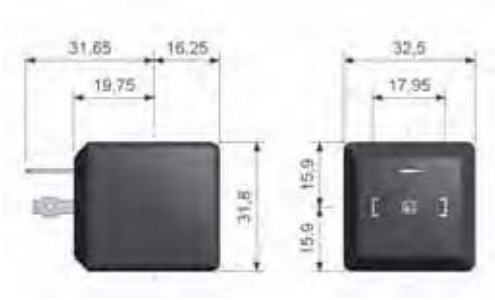
This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

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 The application is limited also by the temperature range of the valve.	-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	**304666**	KH09 24/50	**304746**
	KT09 115/50	**304631**	KT10 24DC	**304971**	KH09 230/50	**304748**
	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.

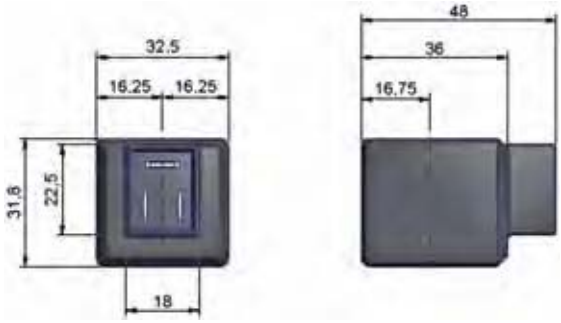
Coil manufactured with H class copper wire, moulded in thermoplastic material polyester with 30% glass fiber. IP54 protection rate with special 2P+E connection. Special plug with integrated powercord available separately.

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.



COIL GROUP

24.0

COILS FOR DIN PLUG CONNECTION

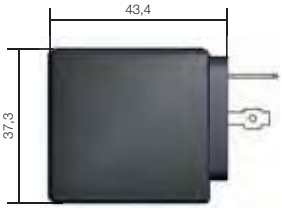
D4 SERIES - UL COILS 32 mm

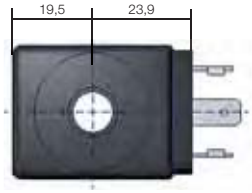
This coil is UL-approved as a recognized component for the insulation Class 155, conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

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.			24/60 110/50 - 120/60 220/50 - 240/60	D4E D4F D4G	24	D4B

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.





COILS FOR DIN PLUG CONNECTION

D5 COIL SERIES 32 mm

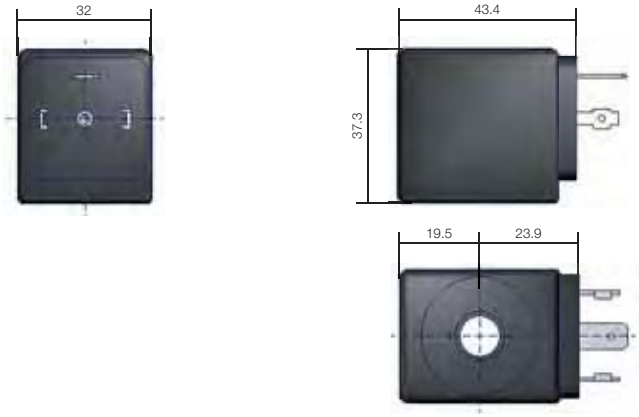
Encapsulated in synthetic material, Connector for 2P+E according with DIN EN 175301-803, Form A, IP65 degree of protection to be considered with connector plug only.

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.			24/50 110/50 220-230/50 24/60 230/60 115/60	D5H D5XA5 D5L D5E D5XJ3 D5XK8	24	D5B

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.



COIL GROUP

24.0

COILS FOR DIN PLUG CONNECTION

XS03 COIL SERIES 32 mm

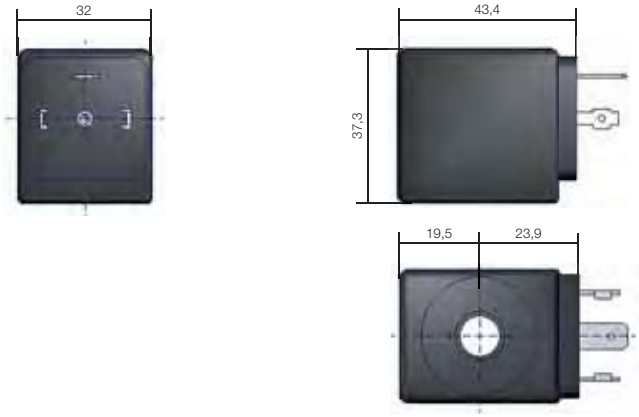
Encapsulated in synthetic material, Connector for 2P+E according with DIN EN 175301-803, Form A, IP65 degree of protection to be considered with connector plug only.

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 - 24/60 110-115/50 - 120/60 220-240/50 - 240/60	XS03M XS03XS5 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.

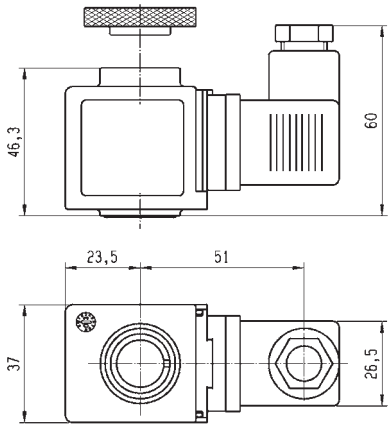


COIL FOR OIL AND GAS 37 mm

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 inclued in the coil kit.



COIL GROUP
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.

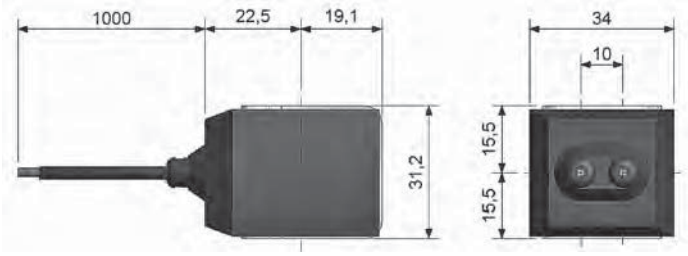
This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

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 YB09 230/50-60 YB09 24/50-60 YB09 240/50-60	**304396** **304398** **304390** **304400**	YB12 12DC YB12 24DC	**304412** **304416**	YB09 24/60 YB09 110-120/60 YB09 208-240/60	**304481** **304488** **304483**

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

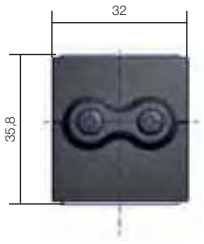
Encapsulated in synthetic material. Degree of protection IP67 as per IEC/EN60529.

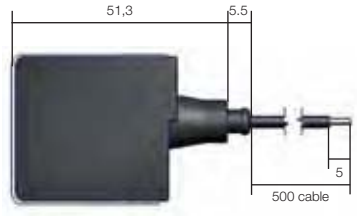
Connection: 2 x 500 mm cables.

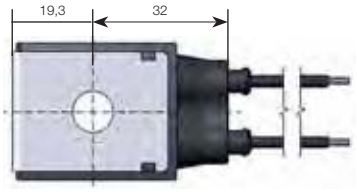
This coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

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 - 24/60 110-115/50 - 120/60 220-240/50 - 240/60	LAM LAXS5 LAXS6	24	LAB

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.







COIL GROUP

24.0

COILS WITH FLYING LEADS

LB-LC COIL SERIES 32 mm UL IP67

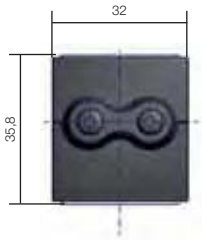
Encapsulated in synthetic material. Degree of protection IP67 as per IEC/EN60529.

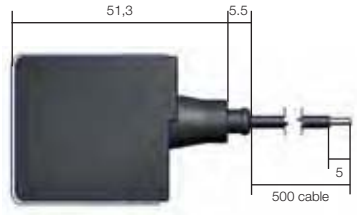
Connection: 2 x 500mm cables.

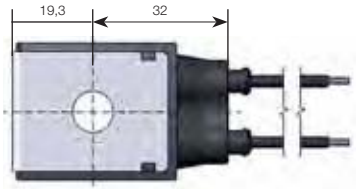
This coil is UL-approved as a recognized component for the insulation Class 155, conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

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			24/60 110/50 - 120/60 208-240/60 220/50 240/60	LBE LBF LBXU3 LBG	24	LCB

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.

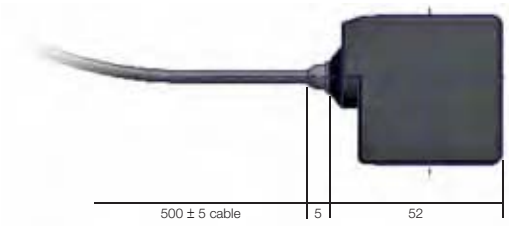
This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

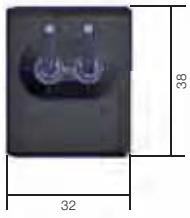
The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.
Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.
Coils conform to the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

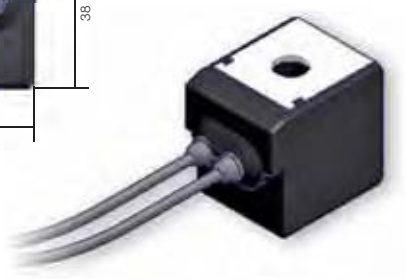
Specification			Coil with two 500 mm flying leads			
Reference			496081			
Coil Group			2.0 / 2.1			
Degree of protection			**IP67** according to IEC / EN 60529 standards			
Class of insulation			F 155°C			
Ambient temperature			-40 °C to +50°C The application is limited also by the temperature range 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 - 5 % to + 10 % for Un DC			24/50 - 24/60 110-115/50 - 120/60 220-240/50 - 240/60	**439816** **439820** **439822**	24 12	**439818** **439814**

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 GROUP
2.0/2.2

COILS WITH
FLYING LEADS

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.

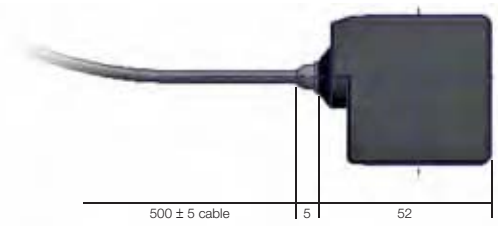
This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

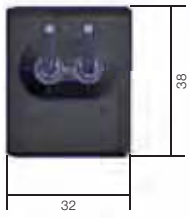
The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.
Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.
Coils conform to the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

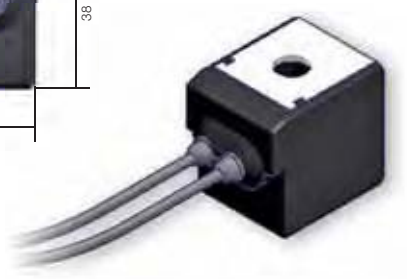
Specification			UL Coil with two 500 mm flying leads			
Reference			496082			
Coil Group			2.0 / 2.2			
Degree of protection			**IP67** according to IEC / EN 60529 standards			
Class of insulation			F 155°C			
Ambient temperature			-40°C to +50°C The application is limited also by the temperature range 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			24/60 110/50 - 120/60 208-240/60 220/50 - 240/60	**439826** **439828** **439824** **439834**	24 12	**439832** **439830**

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.

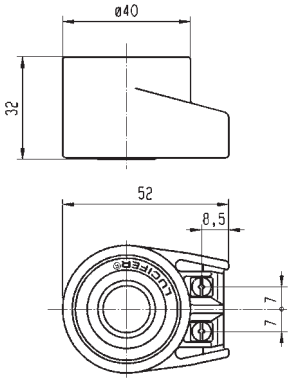
Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

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 48/50 110/50-115/50 220/50-230/50	A2 A4 0A 3D	24 48 110	C2 C4 C5	24/50-60 220-240/50-240/60	P0 S6

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

COIL GROUP
2.0/2.2

COILS WITH SCREW TERMINALS

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.

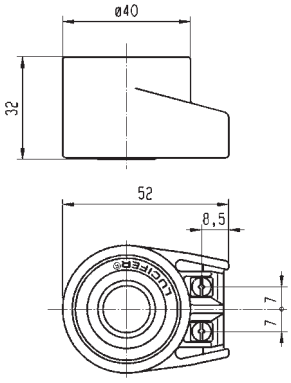
Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

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			24/50 110/50 220/50 230/50	A2 A5 A7 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

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.

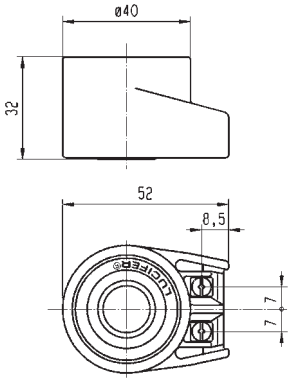
Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

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			24/50 380/50-440/60 220/50-230/50	A2 5P 3D	24	C2	24/50 110/50 220/50 230/50	A2 A5 A7 F4	12 24 48	C1 C2 C4

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

COIL GROUP
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.

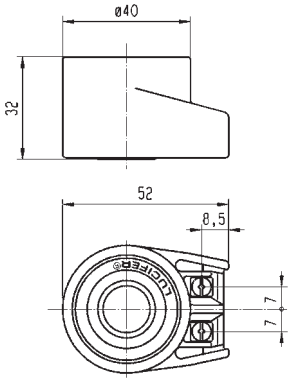
Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

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			120/50 240/50 110/60 220/60 58/50-60/60 55/60	A6 A8 B5 B7 T6 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.

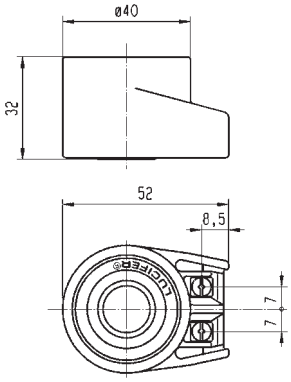
Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

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			120/50 240/50 110/60 220/60 58/50-60/60 55/60	A6 A8 B5 B7 T6 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 GROUP

2.0/2.1

COILS WITH
SCREW TERMINALS

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.

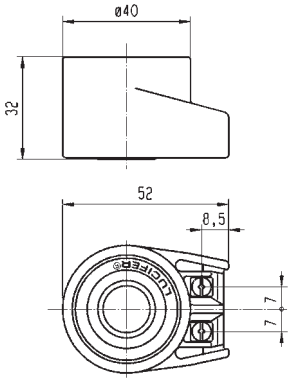
Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

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			100/50-60 200/50-60	P1 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/CENELEC safety standards and complies with European low-voltage directive.

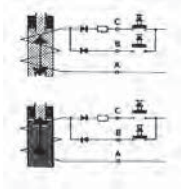
Specification			Bistable (Impulse)			
Reference			484990		485400	
Coil Group			4.0			
Class of insulation			F 155°C			
Ambient temperature			-40°C to +50°C The application is limited also by the temperature range of the valve.			
Length of impulses			Switch on (terminals A-B): minimum 50 ms Switch off (terminals A-C): minimum 35 ms			
Electr. Power consuption	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 48/50-48/60 110-115/50-115/60 220-230/50-60	P0 S4 1P 3P	24 48 110	C2 C4 C5

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.

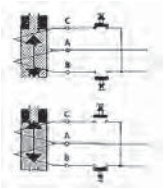
These coils must be used with suitable housings, see examples below:

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**

COIL GROUP
13.0

COILS WITH ISO-DIN CONNECTORS

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.

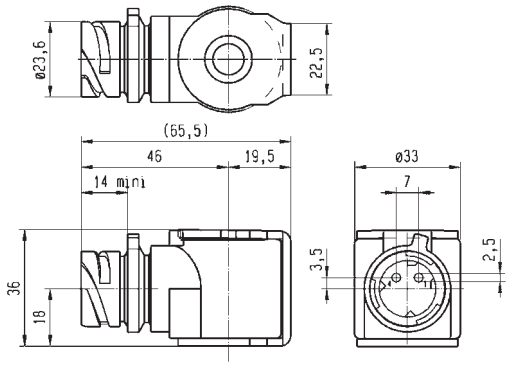
The coil winding is completely encapsulated in epoxy.
Easy mounting and dismounting in confined spaces. Bayonet twist and lock coupling for tight, vibration resistant connection.

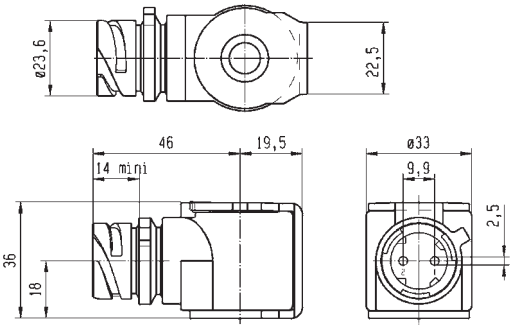
Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

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 24	C1 C2	12 24	C1 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.





Parker Hannifin Corporation
Fluid Control Division Europe
General Catalogue FCDE/0110/UK/V2.0

TABLE OF CONTENT

ELECTRICAL PART LOW POWER 22 mm

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

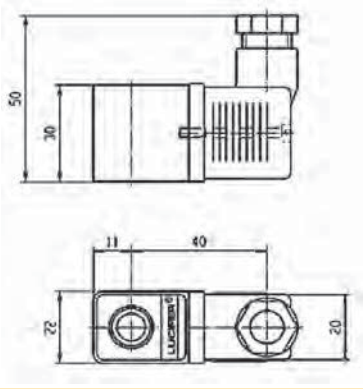
See column "Coil Group" within valve pages.

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 48/50 110/50-115/50 220/50-230/50	A2 A4 0A 3D	24 48	C2 C4

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



COIL GROUP

1.2

ELECTRICAL PARTS "nAc nCc"

ELECTRICAL PART DOUBLE FREQUENCY 22 mm

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

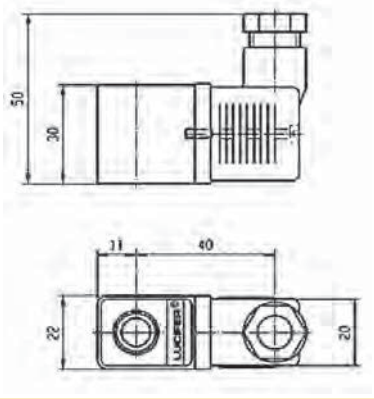
See column "Coil Group" within valve pages.

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 Sandards			
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			24/50-60 110/50-60 230/50-60 48/50-60	P0 P2 P9 S4	24 V 48 V 110 V	C2 C4 C5

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



ELECTRICAL PART 32 mm

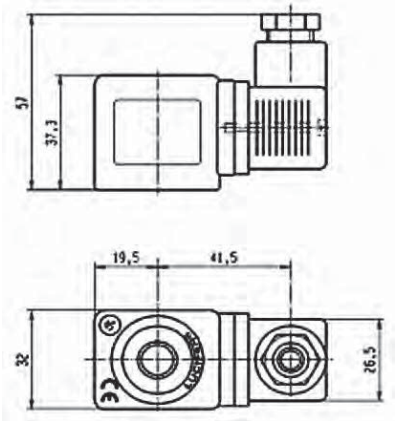
These coils can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

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"			VAC/Hz	Code	VDC	Code	VAC/Hz	Code
-10% to +10% of the Un			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**



COIL GROUP

6.0

ELECTRICAL PARTS "nAc nCc"

ELECTRICAL PART LOW POWER 32 mm

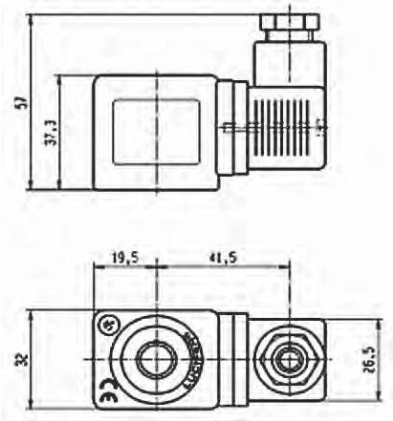
This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

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.

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"			VDC	Code
-10% to +10% of the Un			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

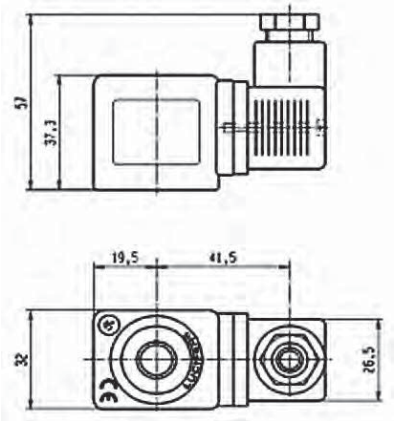
This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

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

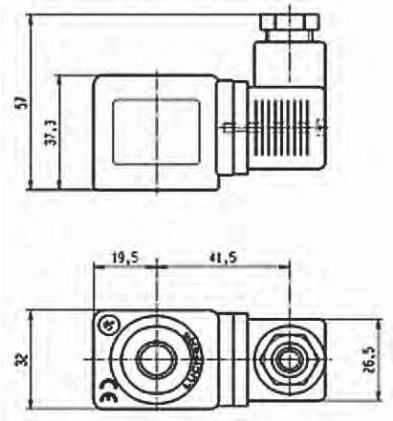
This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

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.

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 IIIC - 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			24/50 110/50 230/50	A2 A5 F4	24	C2

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 vernished 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 mm². Cable with outside diameter 6.5 mm to 13.5 mm can be simply sealed using the rubber gland with resilient sealing rings supplied	
Consomation 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%)	

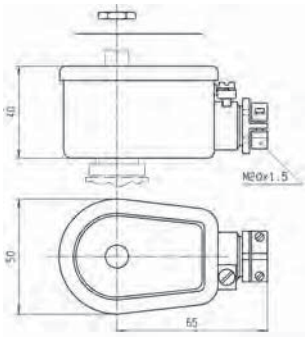
Voltages "Un"	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un	110-115/50-60	1P	24	C2
	220-230/50-60	3P	48	C4
	48/50-60	S4		
	24/50-60	P0		

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 simultneously 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 vernished steel with internal and external screw terminals for earth connection.

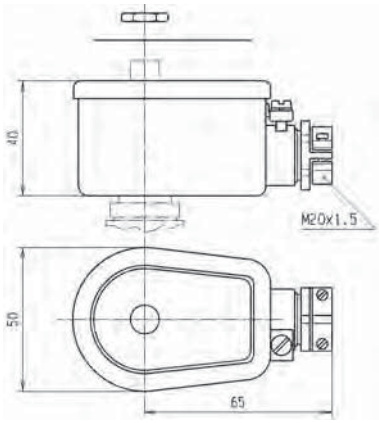
Small size for ease of mounting in confined space.Simplifies conversion of existing equipment to hazardous area requirements.

Reference			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 IIIC - 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 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)	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			24/50 110/50 230/50	A2 A5 F4	24 48	C2 C4

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.

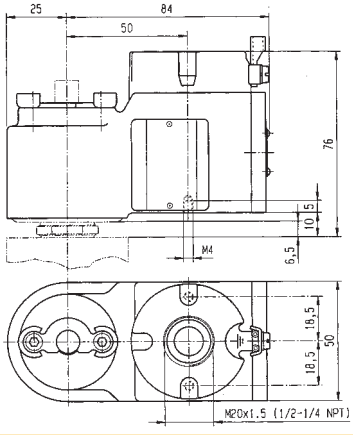
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex db IIC T4 to T6 is required.

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.

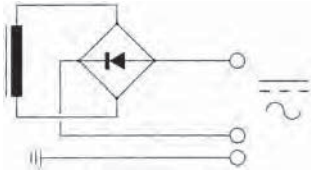
Reference			483270 (M20 x 1.5) 483270.02 (1/2 NPT)			
Certificate			LCIE 02 ATEX 6008 X			
Coil group			11.0			
Type of protection		Gas	II 2 G - Ex db IIC T4/T5/T6			
		Dust	II 2 D - Ex tb IIIC - T130°C/ 95°C/ 80°C			
Degree of protection			**IP66** with appropriate cable gland according to IEC/EN 60529 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.



COIL GROUP
10.3

FLAMEPROOF
ELECTRICAL PARTS
"db"

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.

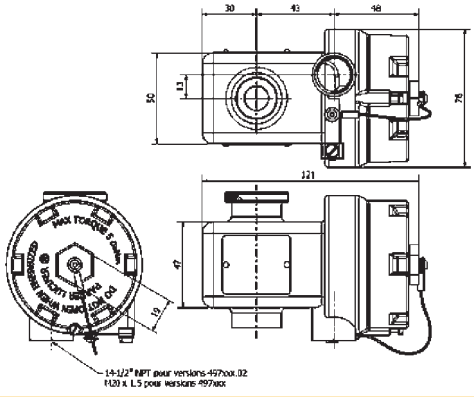
Benefits: Rotatable 360°, stainless steel with internal and external screw terminals for earth connection.

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

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 IIIC - 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
	24/50-60 110-115 / 50-60 220-230 / 50-60	P0 1P 3P	12 24 48 110	C1 C2 C4 C5

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



COIL GROUP
1.1

ENCAPSULATED
ELECTRICAL PARTS
"mb"

ZONE 1/21

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	
Ambiant temperature			-40°C to +65°C / +40°C The application is limited also by the temperature range of the valve.	-40°C to +65°C / +35°C
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 24	C1 C2	24/50 48/50 110/50-115/50 220/50-230/50	A2 A4 0A 3D	24 48 110	C2 C4 C5

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

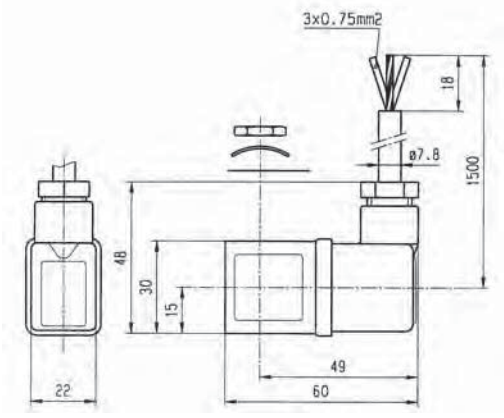
Fuses:
Both electrical parts 482605 & 482606 have to be connected in series with a safety fuse according to CEI 60127-3. Indicating example bellow:

482605:

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

482606:

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



COIL GROUP
2.0/2.1

ENCAPSULATED ELECTRICAL PARTS "mb"

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 mb IIC T4 is required.

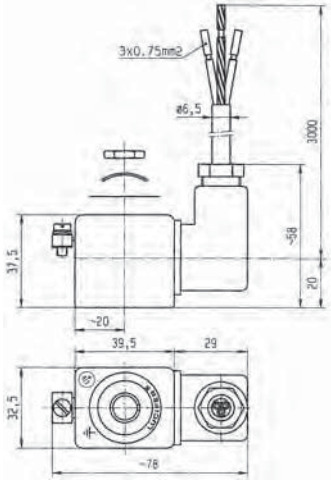
Benefits: Coil and magnetic circuit encapsulated in synthetic material offering shock and corrosion protection. AC/DC coils with integrated thermal fuse. DC coils with integrated surge suppression diode.

Small size for ease of mounting in confined spaces. This electrical

Reference			492670*			
Certificate			LCIE 02 ATEX 6015 X			
Coil Group			2.0 / 2.1			
Type of protection		Gas	II 2 G - Ex mb IIC T4			
		Dust	II 2 D - Ex tb IIIC - T130°C			
Degree of protection			**IP65** (With DIN Plug connector) according to IEC/EN 60529 standards			
Ambiant temperature			-40°C to +40°C The application is limited also by the temperature range of the valve.			
Class of insulation			F 155°C			
Electrical connection			Cable connection (3 x 1.5 mm²) encapsulated with coil, cable material according to application			
Elect. Power	DC	**Pn** (hot)	9 W			
		P (cold) 20°C	12 W			
	AC	**Pn** (holding)	8 W			
		Attraction cold	26 VA (9 W)			
Weight			320 g			
Voltages "Un"			**VAC/Hz**	**Code**	**VDC**	**Code**
-10% to +10% of the Un			48/50 230/50	A4 F4	24 48 110	C2 C4 C5

To Order a Coil choose Coil Ref + Voltage Code, example: **492670** for **24 VDC** = **492670C2**

* 492670 3 m cable length



Special conditions:

The supply connection lines have to be fixed and positioned in such a way that they are protected against mechanical damages.

It is necessary to use a safety fuse with a nominal current corresponding to the coil current (max. 3 x nominal according to IEC 60127 and IEC 60269) against short-circuits.

Recommended values:

DC: 12 V, 1250 mA - 24 V, 630 mA - 48 V, 315 mA - 110 V, 125 mA
AC 50 HZ: 24 V, 1000 mA - 48 V, 500 mA - 110 V, 250 mA - 230 V, 100 mA
AC 60 Hz: 240 V, 100 mA

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.

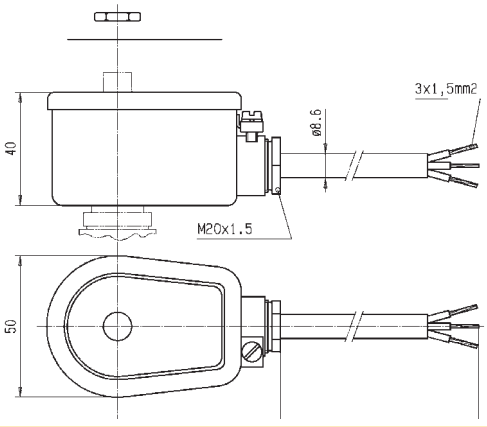
Benefits: Epoxy-vernished steel housing - solenoid coil, rectifier (silicium diodes), fuse and varistor protection element are completely encapsulated in the coil housing by means of epoxy resin.

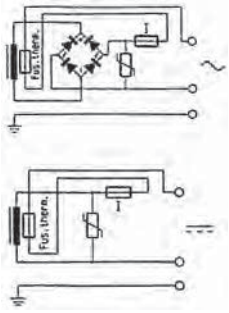
Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.

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 mm²) 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

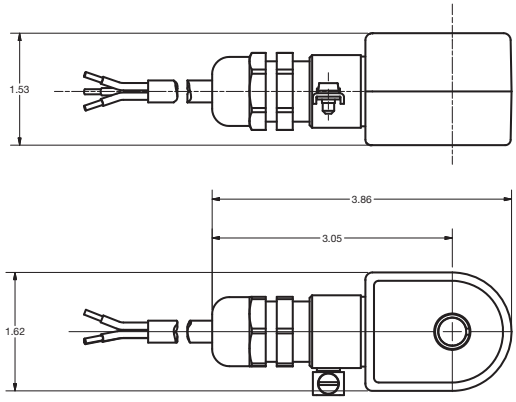
This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

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.

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 mm²) 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			24/60 110/50-120/60 220/50-240/60	B2 P3 Q3	12 24 120	C1 C2 C6

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



Dimensions in Inches.

COIL GROUP
2.0/2.2

ENCAPSULATED ELECTRICAL PARTS "mb"

HZ11 COIL DOUBLE FREQUENCY

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

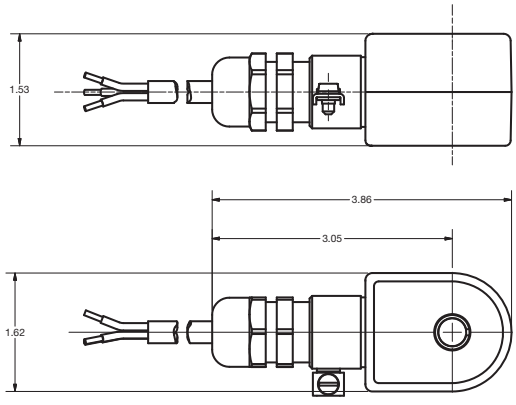
See column "Coil Group" within valve pages.

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.

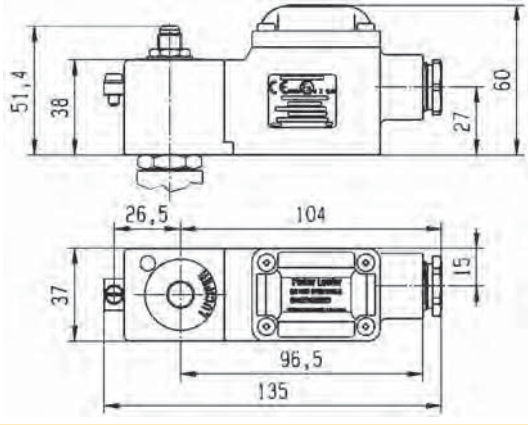
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex db mb IIC T4 to T6 is required.

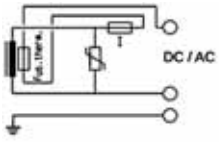
Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

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.

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 IIIC - 130°C / 95°C / 80°C		II 2 D Ex tb IIIC - 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 mm²) 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 48/50 115/50 230/50	A2 A4 E5 F4	24 48 110	C2 C4 C5

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.

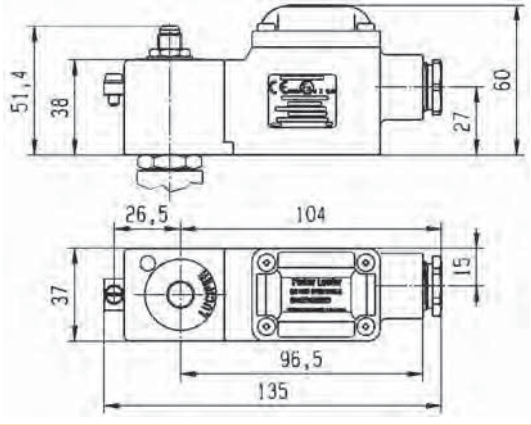
The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in confined space.

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	

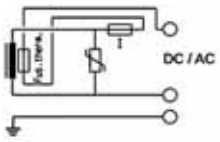
Voltages "Un"	VAC/Hz	Code	VDC	Code
-10% to +10% of Un for AC -10% to +10% for Un DC	24/50	A2	24	C2
	48/50	A4	48	C4
	115/50	E5	110	C5
	230/50	F4		

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

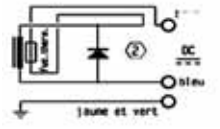
* 495905.05 available only in C4



495905



***495905.05**



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.

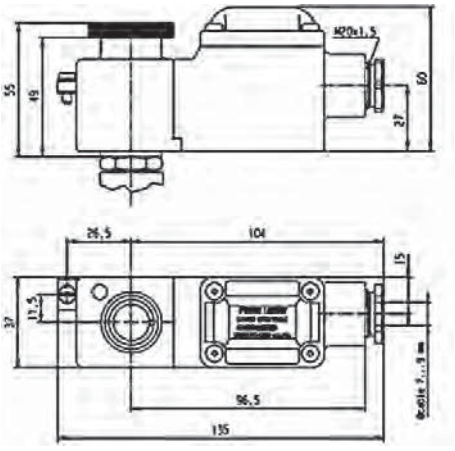
Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

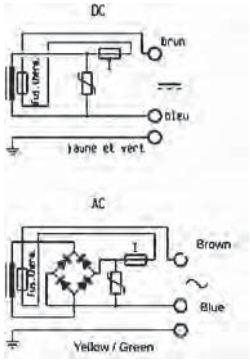
The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in confined space.

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 The application is limited also by the temperature range of the valve.		-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
		P (cold) 20°C	-	7.5 W	-	10.5 W
	AC	**Pn** (holding)	6 W	-	8 W	-
		Attraction cold	7.5 W	-	10.5 W	-

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

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





COIL GROUP
10.2/10.1

FLAME PROOF ENCAPSULATED
ELECTRICAL PARTS
"db mb"

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.

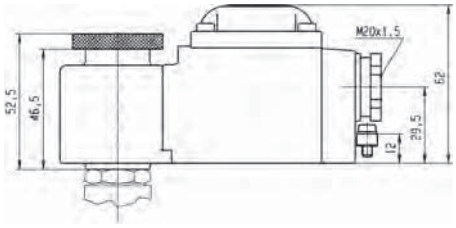
Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

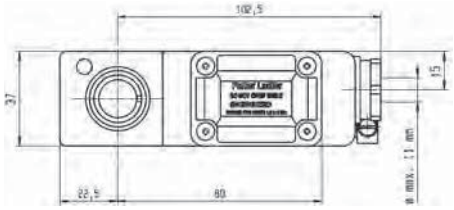
The plastic housing is delivered with 1/2" NPT or M20 x 1.5 threaded hole for wide range of cable glands. Small size for ease of mounting in confined space.

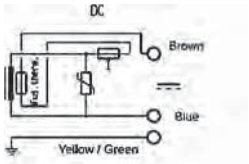
Reference			496700 or 496700.02 (NPT)		496800 or 496800.02 (NPT)	
Certificate			LCIE 10 ATEX 3059 X - IECEx LCI 10.0023X			
Coil Group			10.2		10.1	
Type of protection		Gas	II 2 G - Ex db mb IIC T4 / T5 / T6		II 2 G - Ex db mb IIC T4	
		Dust	II 2 D - Ex tb IIIC - T130 / 95 / 80°C		II 2 D - Ex tb IIIC - T130°C	
Degree of protection			**IP67** according to IEC/EN 60529 Standards			
Ambiant temperature			-40°C to +35°C / +50°C / +65°C The application is limited also by the temperature range of the valve.		-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 dBIIC 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**
-10% to +10% of the Un			230/50-60 110/50-60 24/50-60 48/50-60	P9 P2 P0 S4	24 48 110	C2 C4 C5

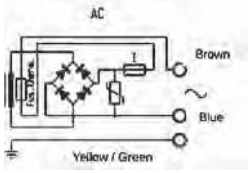
Reference			496800 or 496800.02 (NPT)			
Certificate			LCIE 10 ATEX 3059 X - IECEx LCI 10.0023X			
Coil Group			10.1			
Type of protection		Gas	II 2 G - Ex db mb IIC T4			
		Dust	II 2 D - Ex tb IIIC - T130°C			
Degree of protection			**IP67** according to IEC/EN 60529 Standards			
Ambiant temperature			-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 dBIIC cable gland must be installed			
Elect. Power	DC	**Pn** (hot)	-	8 W		
		P (cold) 20°C	-	10.5 W		
	AC	**Pn** (holding)	8 W	-		
		Attraction cold	10.5 W	-		
Voltages "Un"			**VAC/Hz**	**Code**	**VDC**	**Code**
-10% to +10% of the Un			230/50-60 110/50-60 24/50-60 48/50-60	P9 P2 P0 S4	24 48 110	C2 C4 C5

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.

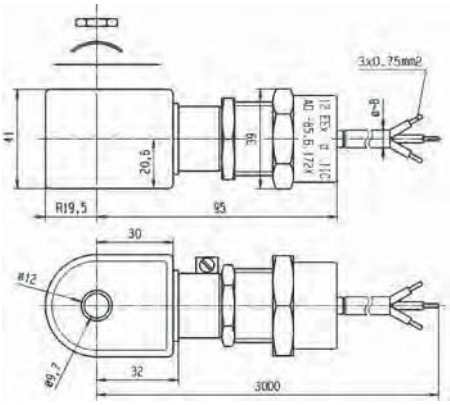
Benefits: Metal armature encapsulated in synthetic material provides high shock and corrosion protection.

Small size for ease of mounting in confined space.

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

COIL GROUP
2.0/2.1

INCREASED SAFETY
ELECTRICAL PARTS
"eb"

ZONE 1/21

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 vernished 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 ru bber 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	

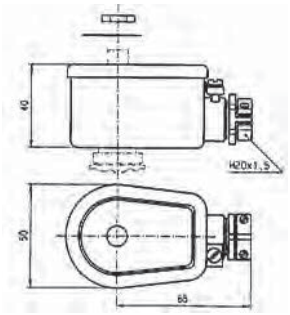
Voltages "Un"	VAC/Hz	Code	VDC	Code	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un	24/50 48/50 110-115/50 220-230/50	A2 A4 OA 3D	24 48 110	C2 C4 C5	220-230/50	3D	24	C2

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



COIL GROUP
10.1

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.

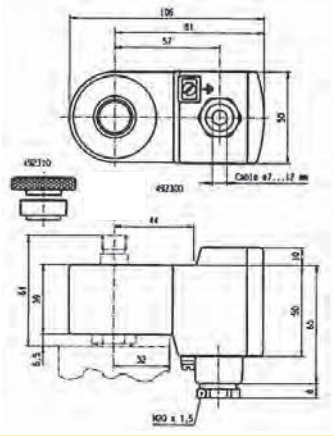
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex eb mb II T4 to T5 is required.

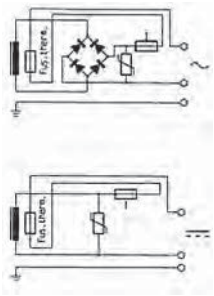
Benefits: Rotatable 360° fibreglass-reinforced plastic housing. Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

Small size for ease of mounting in confined space.

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.

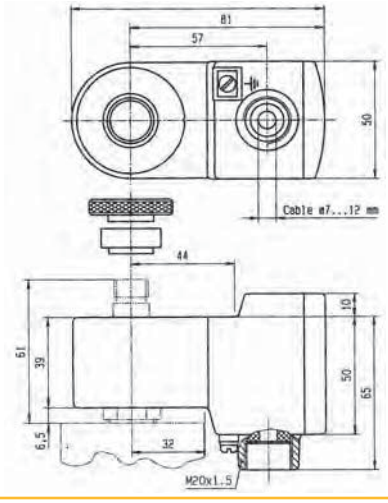
Application: Control of solenoid valves in dangerous areas where explosion-proof protection - Ex eb mb IIC T5/T6 is required.

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)

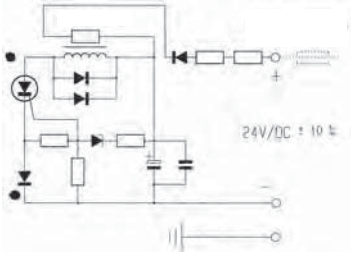
Reference		492210
Certificate		LCIE 02 ATEX 6023 X - IECEx LCI 06.0011 X
Coil group		9.0
Type of protection	Gas	II 2 G - Ex eb mb IIC T5 / T6
	Dust	II 2 D - Ex tb IIIC - T95°C / T80°C
Degree of protection		IP66 according to IEC/EN 60529 Standards
Ambient temperature		-40°C to +75°C / +40°C The operating 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.

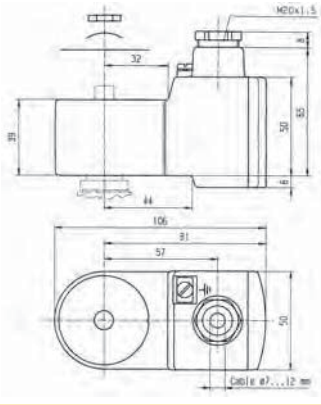
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex eb mb IIC T3 to T4 is required.

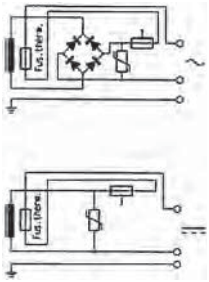
Benefits: Rotatable 360°, fiberglass -reinforced plastic housing. Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

Small size for ease of mounting in confined space.

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**
			24/50-60 110/50-60 230/50-60	P0 P2 P9	24 48 110	C2 C4 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.

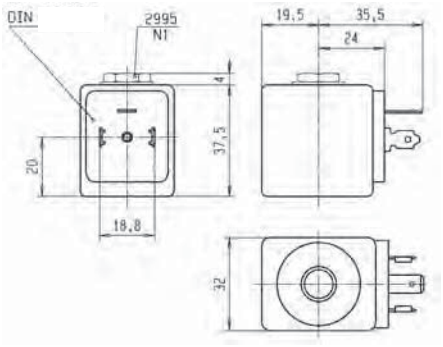
Benefits: Fully encapsulated assembly comprising a coil, metal armature, three diodes circuit and DIN plug connection.

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	500 mW
		Maximum	3 W
			Depending on applied voltage, IS barrier type and resistance of connected cable
Coil resistance at 20°C Impedance Apparent inductance Apparent capacitance			340 Ω 340 Ω 0 mH 0 µF
Weight			160 g (with plug)

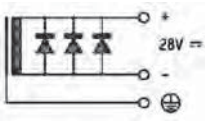
To Order a Coil choose Coil Ref + Voltage Code, example: **483580** for **28 VDC** = **483580N7**



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.

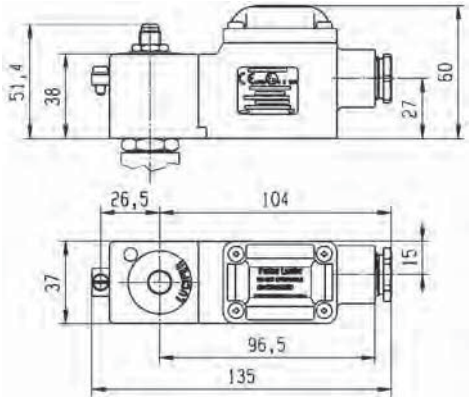
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia IIC T4 to T6 is required.

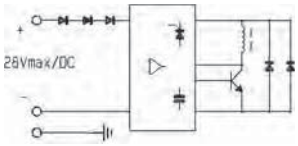
Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

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

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 IIIC 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)
		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 Impedance Apparent inductance Apparent capacitance			Charge ~ 550 Ω - Holding ~ 500 Ω 0 mH 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**





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.

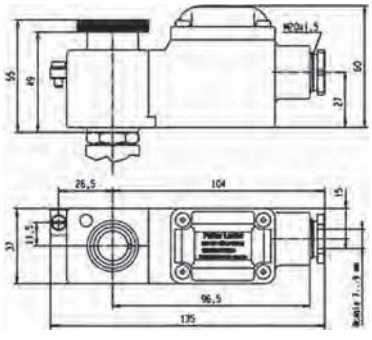
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia IIC T4 to T6 is required.

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 IIIC - 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 Maximum acceptable values: Ui (V) / Ii (mA) / Pi (W)		28 V / 110 mA / 0.77 W 27 V / 120 mA / 0.81 W 26 V / 135 mA / 0.88 W 25 V / 150 mA / 0.94 W 24 V / 170 mA/ 1.02 W	28 V / 280 mA / 1.96 W 27 V / 320 mA / 2.16 W 26 V / 350 mA / 2.27 W 25 V / 390 mA / 2.43 W 24 V / 430 mA/ 2.58 W
Line check		4 mA or 5 VDC max	
Apparent Impedance Typ. Apparent Inductance Apparent Capacitance		Attraction ~ 600 Ω - Holding ~ 570 Ω 0 mH 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.

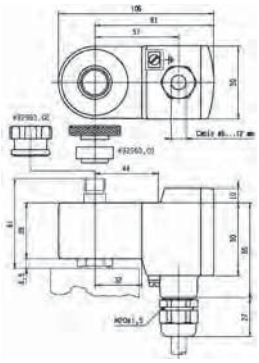
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia IIC - T6 is required.

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.

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	0.3 W (with 13 VDC)
		Maximum	2.3 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 Impedance Apparent inductance Apparent capacitance			85 Ω 275 Ω (with 13 VDC) - 260 Ω (with 24 VDC) 0 mH 0 µF
Response time			2 - 4 s
Weight			500 g

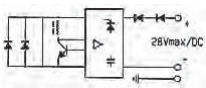
To Order a Coil choose Coil Ref + Voltage Code, example: **492965.01** for **28 VDC** = **492965.01N7**



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.

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.

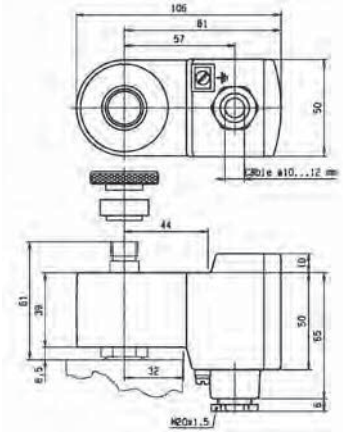
Application: Control of solenoid valves in dangerous areas where an explosion-proof protection Ex ia IIC - T6 is required.

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 The application is limited also by the temperature range of the valve.	+60°C
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 Impedance Apparent inductance Apparent capacitance		295 Ω 345 Ω 0 mH 0 µF	
Weight		500 g	

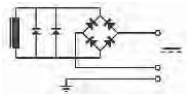
To Order a Coil choose Coil Ref + Voltage Code, example: **492335** for **30VDC** = **492335L8**



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.

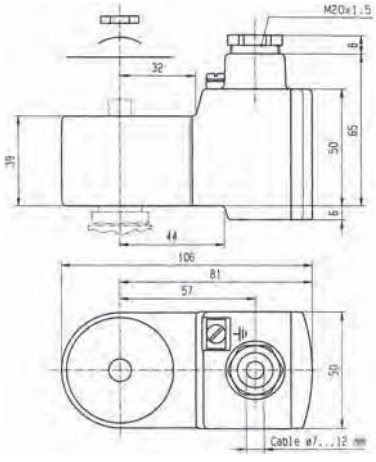
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia IIC - T6 is required.

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.

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 mm² 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 Impedance Apparent inductance Apparent capacitance			295 Ω 345 Ω 0 mH 0 µF	
Weight			500 g	

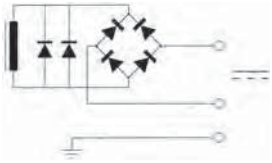
To Order a Coil choose Coil Ref + Voltage Code, example: **490885** for **30VDC** = **490885L8**



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.

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.

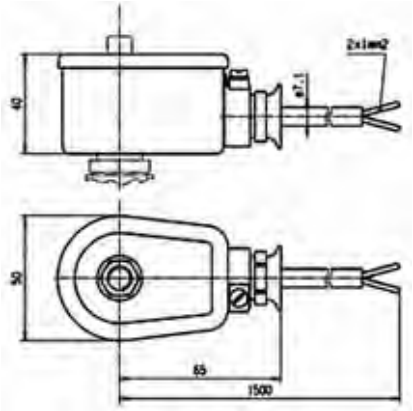
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia IIC T6 is required.

Benefits: Rotatable 360° housing, epoxy vernished 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 mm²) 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	

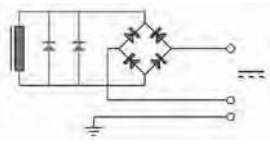
To Order a Coil choose Coil Ref + Voltage Code, example: **490890** for **28 VDC** = **490890N7**



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.

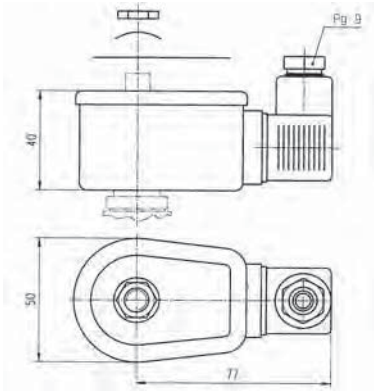
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia IIC - T6 is required.

Benefits: Rotatable 360° housing, epoxy vernished 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			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 IIIC - 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 mm² 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	300 mW
		Maximum	3 W
			Dependent on the applied voltage, type of barrier SI and the resistance of the connected cable
Coil resistance at 20°C Impedance Apparent inductance Apparent capacitance			295 Ω 345 Ω 0 mH 0 µF
Weight			500 g

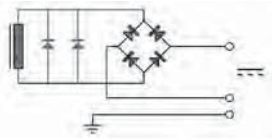
To Order a Coil choose Coil Ref + Voltage Code, example: **488670.01** for **28 VDC** = **488670.01N7**



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

HOUSING

4270 COIL STANDARD HOUSING WITH SCREW TERMINALS

Standard housing:

Reference:	4270
Material:	Epoxy vernished steel with cataphoresis 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:

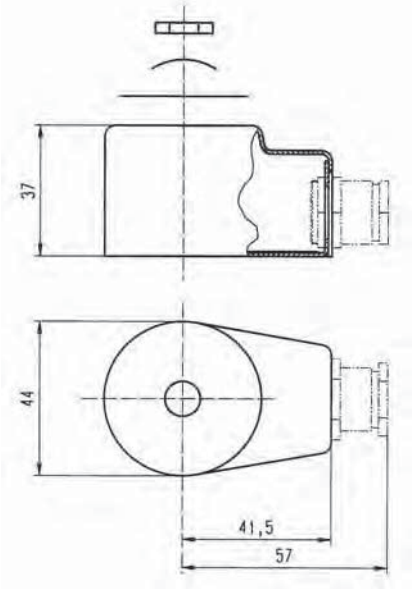
This metal housing offers the ideal protection against shocks and corrosion- rotatable 360° - easy mounting in confined spaces - single-nut mounting - light weight - simplifies conversion of existing equipment to other requirements.

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 vernished 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:

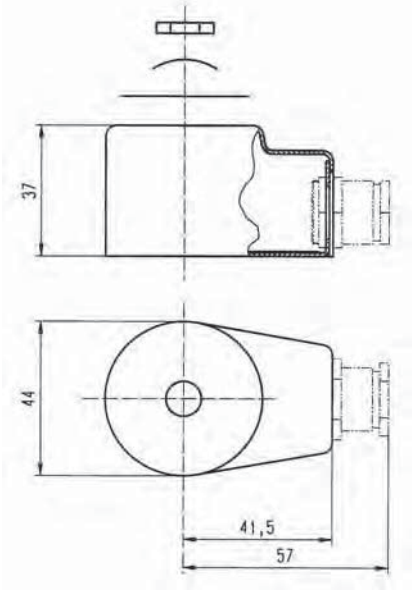
This metal housing offers the ideal protection against shocks and corrosion- rotatable 360° - easy mounting in confined spaces - single-nut mounting - light weight - simplifies conversion of existing equipment to other requirements.

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)



HOUSING

4538 WATERPROOF AND DUSTPROOF HOUSING

Waterproof housing:

Reference:	4538
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 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:

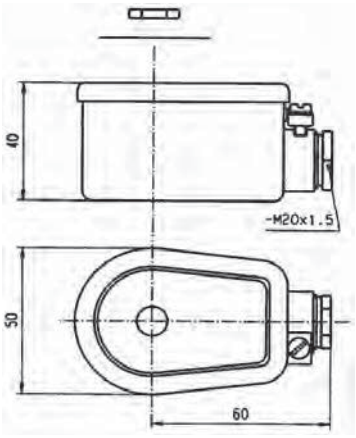
This enclosure is dust- and waterproof. It corresponds to the degree of "International Protection" IP 67 according to IEC / EN 60529. Corrosion resistant, the metal housing offers good protection for the coil against shocks and other outside influences - rotatable 360° - easy mounting in confined spaces - 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:

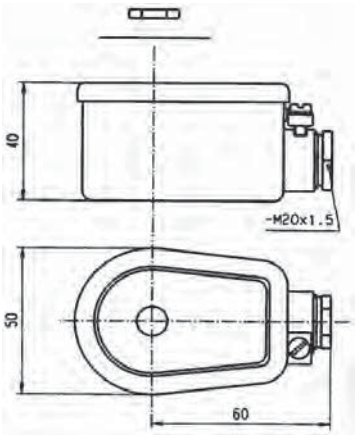
This enclosure is dust- and waterproof. It corresponds to the degree of "International Protection" IP 67 according to IEC / EN 60529. Corrosion resistant, the metal housing offers good protection for the coil against shocks and other outside influences - rotatable 360° - easy mounting in confined spaces - 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)