

PSA-Series Overview 110-240V

Features

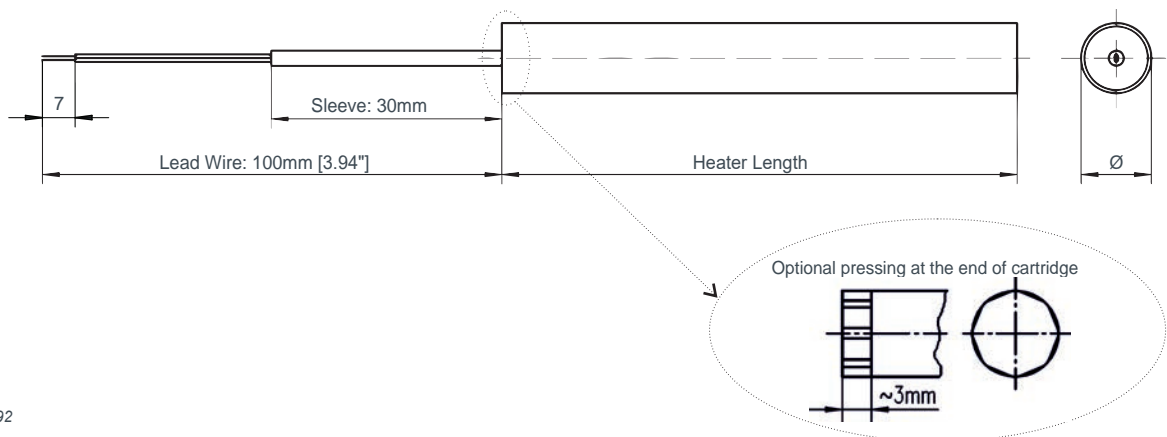
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	Ø	Length of Housing	Power * ±10%	Surface Temperature ±10°C / 18°F	Order No. **
PSA-060-48-XX	6mm [0.236"]	48mm [1.89"]	11W	80°C / 176°F	395206.01 (02)
			28W	140°C / 284°F	395207.01 (02)
			52W	220°C / 428°F	395208.01 (02)
PSA-090-75-XX	9mm [0.354"]	75mm [2.95"]	26W	80°C / 176°F	395209.01 (02)
			45W	140°C / 284°F	395210.01 (02)
			113W	220°C / 428°F	395211.01 (02)
PSA-130-75-XX	13mm [0.512"]	75mm [2.95"]	21W	80°C / 176°F	395212.01 (02)
			38W	130°C / 266°F	395213.01 (02)
			110W	220°C / 428°F	395214.01 (02)
PSA-160-75-XX	16mm [0.63"]	75mm [2.95"]	19W	80°C / 176°F	395215.01 (02)
			33W	130°C / 266°F	395216.01 (02)
			102W	210°C / 410°F	395217.01 (02)
PSA-180-75-XX	18mm [0.709"]	75mm [2.95"]	19W	80°C / 176°F	395218.01 (02)
			31W	120°C / 248°F	395219.01 (02)
			89W	210°C / 410°F	395220.01 (02)
PSA-220-60-XX	22mm [0.866"]	60mm [2.36"]	17W	80°C / 176°F	395221.01 (02)
			29W	120°C / 248°F	395222.01 (02)
			72W	200°C / 392°F	395223.01 (02)

* Power measured in ice-water (~ 0°C / 32°F) at 230V

** Available without pressing (Order No: xxx.01) or with **pressing** (Order No: xxx.02) to increase strain relief (>30N)



UL-File No. E66892

VDE-Identification No. 40011218,
Protection Class II (DIN EN 60335-1)



Also available as protection class I (DIN EN 60335-1)

NOTICE: Electrical component - please be advised to assure strain relief with assembly.

DBK Group
Industrial Thermal Management

Further Information:
www.dbkusa.com

PSA-060-48-XX-II/100-30 110-240V

Features

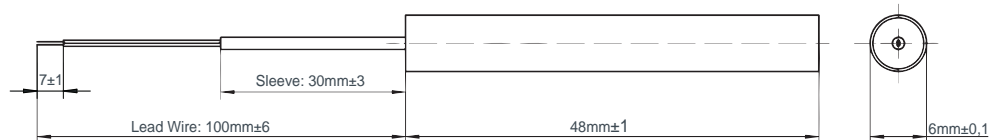
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-060-48-08-II/100-30	PSA-060-48-10-II/100-30	PSA-060-48-10-II/100-30
Operating Voltage	110-240V		
Nominal Voltage	230V		
Power * ±10%	11W	28W	52W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	80°C / 176°F	140°C / 284°F	220°C / 428°F
max. Inrush Current	1.5A	2A	2.5A
Resistance at 25°C / 77°F	1324 - 2749Ω	624 - 1290Ω	1399 - 3148Ω
Heater Diameter	6mm / 0.236"		
Heater Length	48mm / 1.89"		
Wire Type	PTFE, Cu, Ag plated, 24awg, blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Protection Class / Approvals	II / UL / VDE / CE		
Insulation Test Voltage	3,750V		
Order Nr. **	395206.01	395207.01	395208.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



UL-File No. E66892

VDE-Identification No. 40011218,
Protection Class II (DIN EN 60335-1)



Also available as protection class I (DIN EN 60335-1)

NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-090-75-XX-II/100-30 110-240V

Features

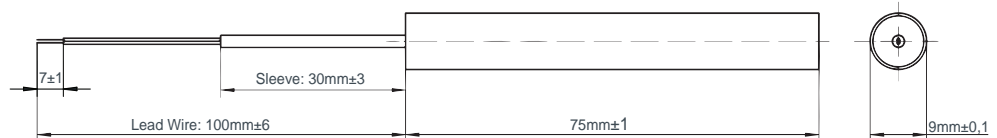
- High power heating element
- Compact design
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- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-090-75-23-II/100-30	PSA-090-75-22-II/100-30	PSA-090-75-33-II/100-30
Operating Voltage	110-240V		
Nominal Voltage	230V		
Power * ±10%	26W	45W	113W
Surface Temperature ±10°C / 50°F measured in free air (~25°C / 77°F) without airflow	80°C / 176°F	140°C / 284°F	220°C / 428°F
max. Inrush Current	3A	4.5A	5A
Resistance at 25°C / 77°F	455 - 945Ω	300 - 620Ω	447 - 1006Ω
Heater Diameter	9mm / 0.354"		
Heater Length	75mm / 2.95"		
Wire Type	PTFE, Cu, Ag plated, 24awg, blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Protection Class / Approvals	II / UL / VDE / CE		
Insulation Test Voltage	3,750V		
Order Nr. **	395209.01	395210.01	395211.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



UL-File No. E66892

VDE-Identification No. 40011218,
Protection Class II (DIN EN 60335-1)



Also available as protection class I (DIN EN 60335-1)

NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-130-75-XX-II/100-30 110-240V

Features

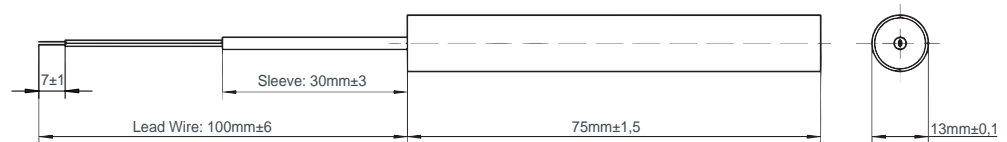
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-130-75-23-II/100-30	PSA-130-75-22-II/100-30	PSA-130-75-44-II/100-30
Operating Voltage	110-240V		
Nominal Voltage	230V		
Power * ±10%	21W	38W	110W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	80°C / 176°F	130°C / 266°F	220°C / 428°F
max. Inrush Current	3A	4.5A	5A
Resistance at 25°C / 77°F	455 - 945Ω	300 - 620Ω	413 - 743Ω
Heater Diameter	13mm / 0.512"		
Heater Length	75mm / 2.95"		
Wire Type	PTFE, Cu, Ag plated, 24awg, blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Protection Class / Approvals	II / UL / VDE / CE		
Insulation Test Voltage	3,750V		
Order Nr. **	395212.01	395213.01	395214.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



UL-File No. E66892

VDE-Identification No. 40011218,
Protection Class II (DIN EN 60335-1)



Also available as protection class I (DIN EN 60335-1)

NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-160-75-XX-II/100-30 110-240V

Features

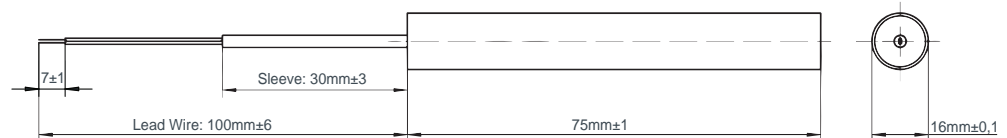
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-160-75-23-II/100-30	PSA-160-75-22-II/100-30	PSA-160-75-44-II/100-30
Operating Voltage	110-240V		
Nominal Voltage	230V		
Power * ±10%	19W	33W	102W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	80°C / 176°F	130°C / 266°F	210°C / 410°F
max. Inrush Current	3A	4.5A	5A
Resistance at 25°C / 77°F	455 - 945Ω	300 - 620Ω	413 - 743Ω
Heater Diameter	16mm / 0.63"		
Heater Length	75mm / 2.95"		
Wire Type	PTFE, Cu, Ag plated, 24awg, blue		
Wire Length	100mm / 3094"		
Connection	single wire		
Protection Class / Approvals	II / UL / VDE / CE		
Insulation Test Voltage	3,750V		
Order Nr. **	395215.01	395216.01	395217.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



UL-File No. E66892

VDE-Identification No. 40011218,
Protection Class II (DIN EN 60335-1)



Also available as protection class I (DIN EN 60335-1)

NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-180-75-XX-II/100-30 110-240V

Features

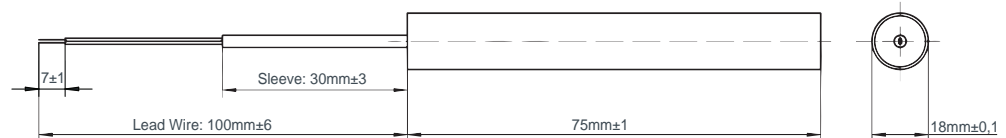
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-180-75-23-II/100-30	PSA-180-75-22-II/100-30	PSA-180-75-44-II/100-30
Operating Voltage	110-240V		
Nominal Voltage	230V		
Power * ±10%	19W	31W	89W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	80°C / 176°F	120°C / 248°F	210°C / 410°F
max. Inrush Current	3A	4.5A	5A
Resistance at 25°C / 77°F	455 - 945Ω	300 - 620Ω	413 - 743Ω
Heater Diameter	18mm / 0.709"		
Heater Length	75mm / 2.95"		
Wire Type	PTFE, Cu, Ag plated, 24awg, blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Protection Class / Approvals	II / UL / VDE / CE		
Insulation Test Voltage	3,750V		
Order Nr. **	395218.01	395219.01	395220.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



UL-File No. E66892

VDE-Identification No. 40011218,
Protection Class II (DIN EN 60335-1)



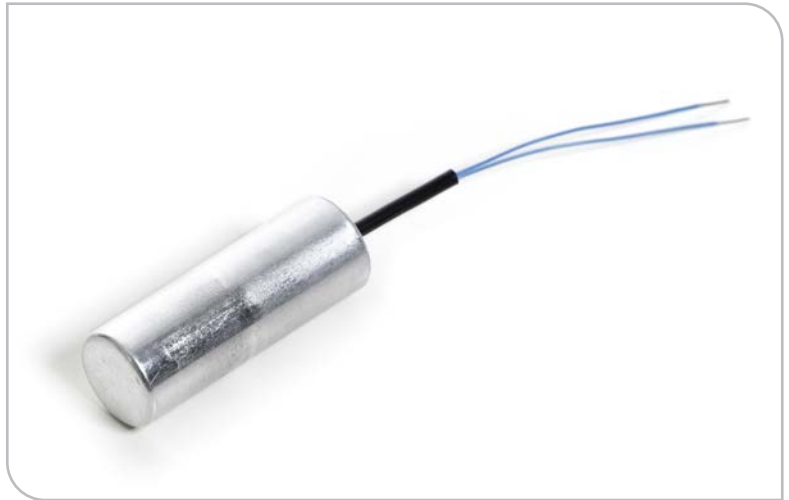
Also available as protection class I (DIN EN 60335-1)

NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-220-60-XX-II/100-30 110-240V

Features

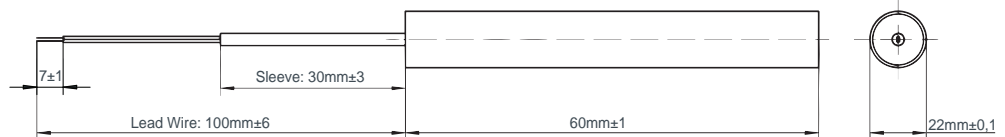
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-220-60-23-II/100-30	PSA-220-60-22-II/100-30	PSA-220-60-44-II/100-30
Operating Voltage	110-240V		
Nominal Voltage	230V		
Power * ±10%	17W	29W	72W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	80°C / 176°F	120°C / 248°F	200°C / 392°F
max. Inrush Current	3A	4.5A	5A
Resistance at 25°C / 77°F	455 - 945Ω	300 - 620Ω	413 - 743Ω
Heater Diameter	22mm / 0.866"		
Heater Length	60mm / 2.36"		
Wire Type	PTFE, Cu, Ag plated, 24awg, blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Protection Class / Approvals	II / UL / VDE / CE		
Insulation Test Voltage	3,750V		
Order Nr. **	395221.01	395222.01	395223.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



UL-File No. E66892

VDE-Identification No. 40011218,
Protection Class II (DIN EN 60335-1)



Also available as protection class I (DIN EN 60335-1)

NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-Series Overview 12-24V

Features

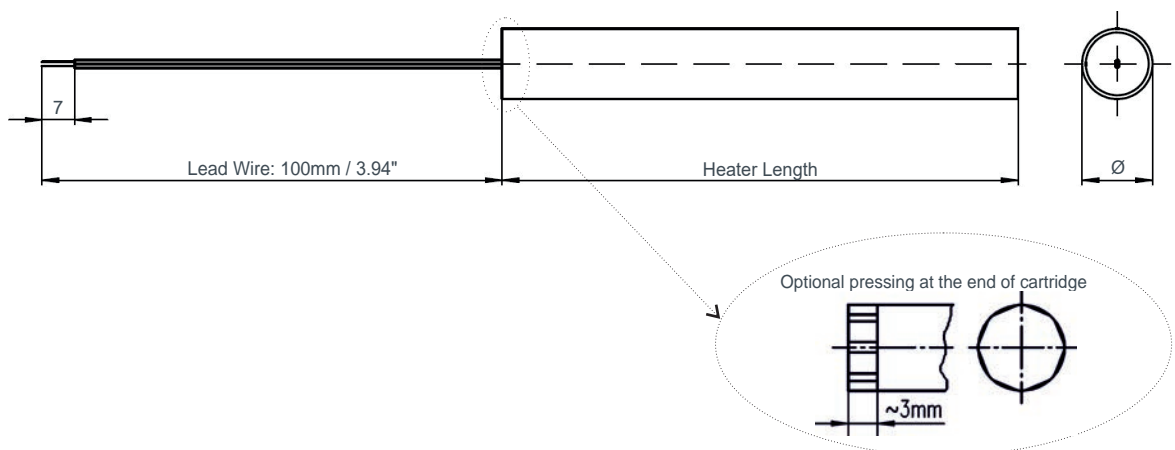
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	Ø	Length of Housing	Power * ±10%	Surface Temperature ±10°C / 18°F	Order No. **
PSA-060-48-XX	6mm [0.236"]	48mm [1.89"]	20W	70°C / 158°F	395290.01 (02)
			59W	165°C / 329°F	395291.01 (02)
			76W	230°C / 446°F	395292.01 (02)
PSA-090-75-XX	9mm [0.354"]	75mm [2.95"]	31W	75°C / 167°F	395293.01 (02)
			96W	165°C / 329°F	395294.01 (02)
			132W	220°C / 428°F	395295.01 (02)
PSA-130-75-XX	13mm [0.512"]	75mm [2.95"]	30W	75°C / 167°F	395296.01 (02)
			78W	165°C / 329°F	395297.01 (02)
			86W	210°C / 410°F	395298.01 (02)
PSA-160-75-XX	16mm [0.63"]	75mm [2.95"]	20W	70°C / 158°F	395299.01 (02)
			61W	165°C / 329°F	395300.01 (02)
			76W	200°C / 392°F	395301.01 (02)
PSA-180-75-XX	18mm [0.709"]	75mm [2.95"]	20W	70°C / 158°F	395302.01 (02)
			61W	160°C / 320°F	395303.01 (02)
			75W	200°C / 392°F	395304.01 (02)
PSA-220-60-XX	22mm [0.866"]	60mm [2.36"]	17W	65°C / 149°F	395305.01 (02)
			54W	155°C / 311°F	395306.01 (02)
			64W	190°C / 374°F	395307.01 (02)

* Power measured in ice-water (~ 0°C / 32°F) at 24V

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N)



NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-060-48-XX-I/100

12-24V

Features

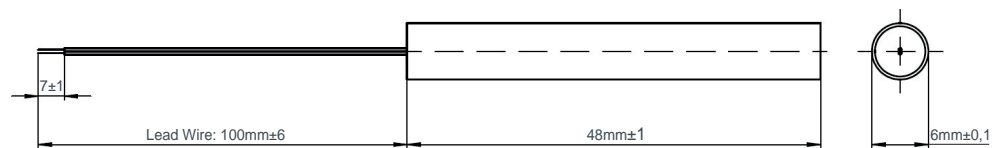
- High power heating element
- Compact design
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- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-060-48-16-I/100	PSA-060-48-15-I/100	PSA-060-48-15-I/100
Operating Voltage	12-24V		
Nominal Voltage	24V		
Power * ±10%	20W	59W	76W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	70°C / 158°F	165°C / 329°F	230°C / 446°F
max. Inrush Current	4A	16A	17A
Resistance at 25°C / 10°F	8.7 - 20.4Ω	3 - 6.1Ω	4.5 - 13.5Ω
Heater Diameter	6mm / 0.236"		
Heater Length	48mm / 1.89"		
Wire Type	FEP, Cu-tinned, 0.2mm ² , blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395290.01	395291.01	395292.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-090-75-XX-I/100

12-24V

Features

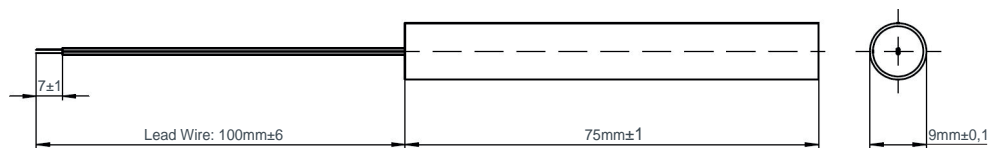
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Type	PSA (PTC Heating Element)		
	PSA-090-75-35-I/100	PSA-090-75-36-I/100	PSA-090-75-36-I/100
Operating Voltage	12-24V		
Nominal Voltage	24V		
Power * ±10%	31W	96W	132W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	75°C / 167°F	165°C / 329°F	220°C / 428°F
max. Inrush Current	7A	29A	34A
Resistance at 25°C / 77°F	4 - 9.3Ω	1.3 - 2.6Ω	1.9 - 5.7Ω
Heater Diameter	9mm / 0.354"		
Heater Length	75mm / 2.95"		
Wire Type	FEP, Cu-tinned, 0.2mm ² , blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395293.01	395294.01	395295.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-130-75-XX-I/100

12-24V

Features

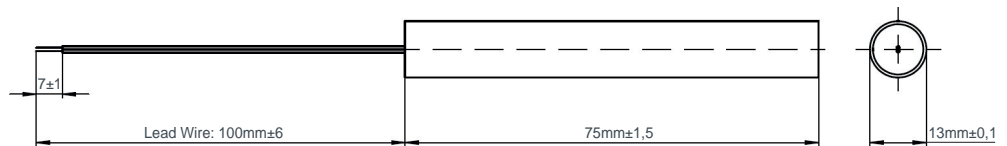
- High power heating element
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Type	PSA (PTC Heating Element)		
	PSA-130-75-35-I/100	PSA-130-75-35-I/100	PSA-130-75-33-I/100
Operating Voltage	12-24V		
Nominal Voltage	24V		
Power * ±10%	30W	78W	86W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	75°C / 167°F	165°C / 329°F	210°C / 410°F
max. Inrush Current	9A	29A	36A
Resistance at 25°C / 77°F	4 - 9.3Ω	1.5 - 3.2Ω	2.1 - 6.3Ω
Heater Diameter	13mm / 0.512"		
Heater Length	75mm / 2.95"		
Wire Type	FEP, Cu-tinned, 0.2mm ² , blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395296.01	395297.01	395298.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-160-75-XX-I/100

12-24V

Features

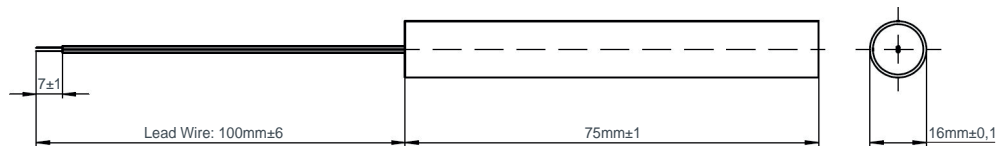
- High power heating element
- Compact design
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Type	PSA (PTC Heating Element)		
	PSA-160-75-35-I/100	PSA-160-75-35-I/100	PSA-160-75-33-I/100
Operating Voltage	12-24V		
Nominal Voltage	24V		
Power * ±10%	20W	61W	76W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	70°C / 158°F	165°C / 329°F	200°C / 392°F
max. Inrush Current	8A	30A	35A
Resistance at 25°C / 77°F	4 - 9.3Ω	1.5 - 3.2Ω	2.1 - 6.3Ω
Heater Diameter	16mm / 0.63"		
Heater Length	75mm / 2.95"		
Wire Type	FEP, Cu-tinned, 0.2mm², blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395299.01	395300.01	395301.01

* Power measured in ice-water (~ 0° / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-180-75-XX-I/100

12-24V

Features

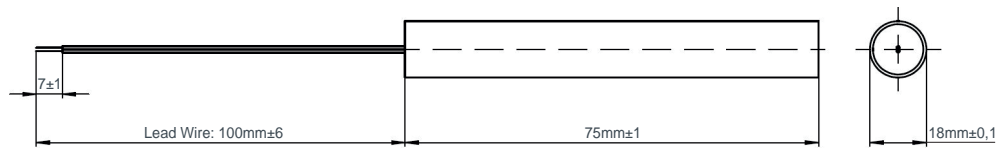
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-180-75-35-I/100	PSA-180-75-35-I/100	PSA-180-75-33-I/100
Operating Voltage	12-24V		
Nominal Voltage	24V		
Power * ±10%	20W	61W	75W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	70°C / 158°F	160°C / 320°F	200°C / 392°F
max. Inrush Current	9A	29A	37A
Resistance at 25°C / 77°F	4 - 9.3Ω	1.5 - 3.2Ω	2.1 - 6.3Ω
Heater Diameter	18mm / 0.709"		
Heater Length	75mm / 2.95"		
Wire Type	FEP, Cu-tinned, 0.2mm ² , blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395302.01	395303.01	395304.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



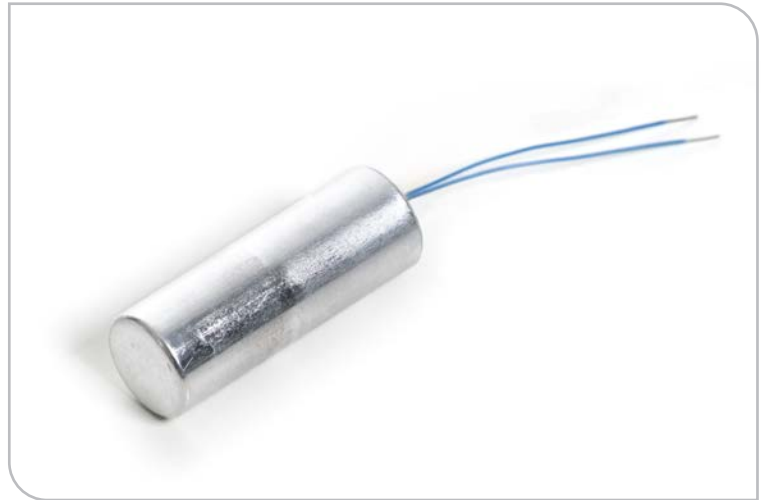
NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-220-60-XX-I/100

12-24V

Features

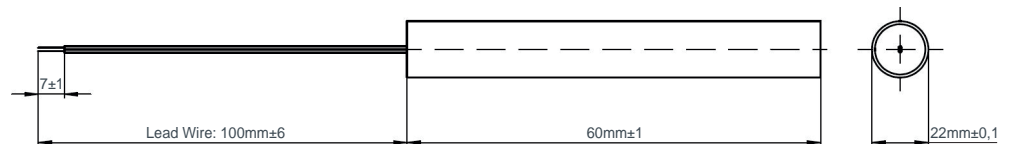
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-220-60-33-I/100	PSA-220-60-33-I/100	PSA-220-60-31-I/100
Operating Voltage	12-24V		
Nominal Voltage	24V		
Power * ±10%	17W	54W	64W
Surface Temperature ±10°C / 50°F measured in free air (-25°C / 77°F) without airflow	65°C / 149°F	155°C / 311°F	190°C / 374°F
max. Inrush Current	8A	32A	35A
Resistance at 25°C / 77°F	4.2 - 9.7Ω	1.6 - 3.3Ω	2.2 - 6.6Ω
Heater Diameter	22mm / 0.866"		
Heater Length	60mm / 2.36"		
Wire Type	FEP, Cu-tinned, 0.2mm ² , blue		
Wire Length	100mm / 3.94"		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395305.01	395306.01	395307.01

* Power measured in ice-water (~ 0°C / 32°F)

** Available without pressing (Order No: xxx.01) or with pressing (Order No: xxx.02) to increase strain relief (>30N) (see overview)



NOTICE: Electrical component - please be advised to assure strain relief with assembly.