



Type	Ø	Length of Housing	Power *±10%	Surface Temperature ±10°C	Order No. **
PSA-060-48-XX	6mm	48mm	20W	70°C	395290,01 (02)
			59W	165°C	395291,01 (02)
			76W	230°C	395292,01 (02)
PSA-090-75-XX	9mm	75mm	31W	75°C	395293,01 (02)
			96W	165°C	395294,01 (02)
			132W	220°C	395295,01 (02)
PSA-130-75-XX	13mm	75mm	30W	75°C	395296,01 (02)
			78W	165°C	395297,01 (02)
			86W	210°C	395298,01 (02)
PSA-160-75-XX	16mm	75mm	20W	70°C	395299,01 (02)
			61W	165°C	395300,01 (02)
			76W	200°C	395301,01 (02)
PSA-180-75-XX	18mm	75mm	20W	70°C	395302,01 (02)
			61W	160°C	395303,01 (02)
			75W	200°C	395304,01 (02)
PSA-220-60-XX	22mm	60mm	17W	65°C	395305,01 (02)
			54W	155°C	395306,01 (02)
			64W	190°C	395307,01 (02)

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

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



FEATURES

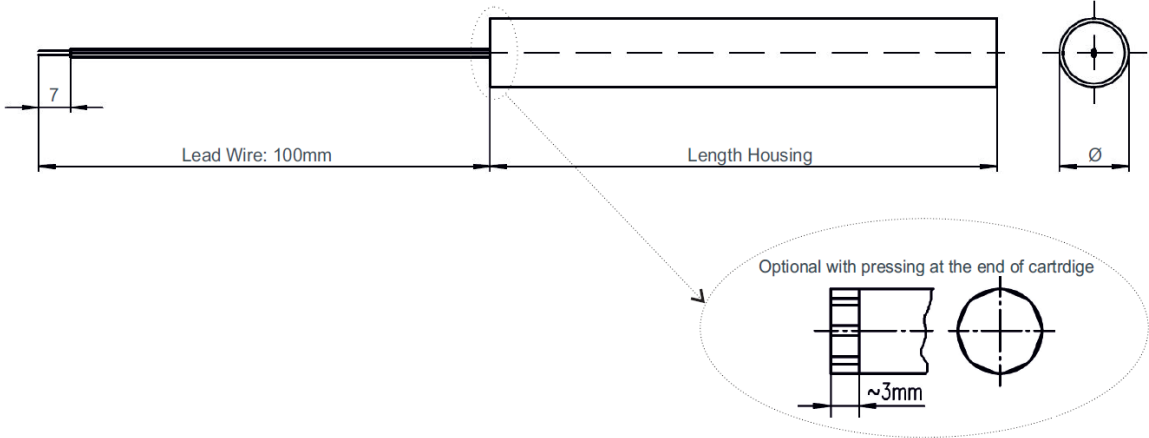
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels

PSA-Series Overview 12-24V

Contact Heater



DRAWING



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

PSA-060-48-XX-I/100 12-24V

Contact Heater



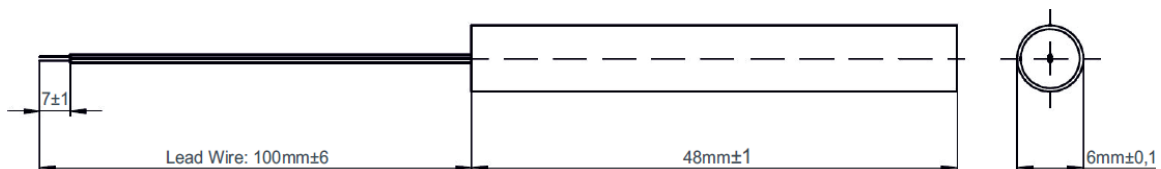
Type	PSA (PTC-Heating Element)		
	PSA-060-48-16-I/100	PSA-060-48-15-I/100	PSA-060-48-15-I/100
Operating Voltage (V)	12 - 24		
Nominal Voltage (V)	24		
Power * $\pm 10\%$ (W)	20	59	76
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air (-25°C) without airflow ($^\circ\text{C}$)	70	165	230
Max. Inrush Current (A)	4	16	17
Resistance at 25°C (Ω)	8,7 - 20,4	3 - 6,1	4,5 - 13,5
Diameter Housing (mm)	6		
Length Housing (mm)	48		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length (mm)	100		
Connection	Single wire		
Approvals	CE		
Insulation Test Voltage (V)	500		
Order Nr. **	395290,01	395291,01	395292,01

* Power measured in ice-water ($\sim 0^\circ\text{C}$)

** Available without pressing (Order No: xxx,01) or with pressing (Order No: xxx,02) to increase strain relief ($>30\text{N}$)(see overview)



DRAWING



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PSA-090-75-XX-I/100 12-24V

Contact Heater



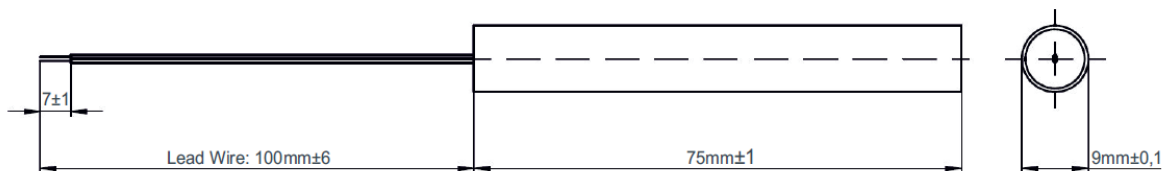
Type	PSA (PTC-Heating Element)		
	PSA-090-75-35-I/100	PSA-090-75-36-I/100	PSA-090-75-36-I/100
Operating Voltage (V)	12 - 24		
Nominal Voltage (V)	24		
Power * $\pm 10\%$ (W)	31	96	132
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air ($\sim 25^\circ\text{C}$) without airflow ($^\circ\text{C}$)	75	165	220
Max. Inrush Current (A)	7	29	34
Resistance at 25°C (Ω)	4 - 9,3	1,3 - 2,6	1,9 - 5,7
Diameter Housing (mm)	9		
Length Housing (mm)	75		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length (mm)	100		
Connection	Single wire		
Approvals	CE		
Insulation Test Voltage (V)	500		
Order Nr. **	395293,01	395294,01	395295,01

* Power measured in ice-water ($\sim 0^\circ\text{C}$)

** Available without pressing (Order No: xxx,01) or with pressing (Order No: xxx,02) to increase strain relief ($>30\text{N}$)(see overview)



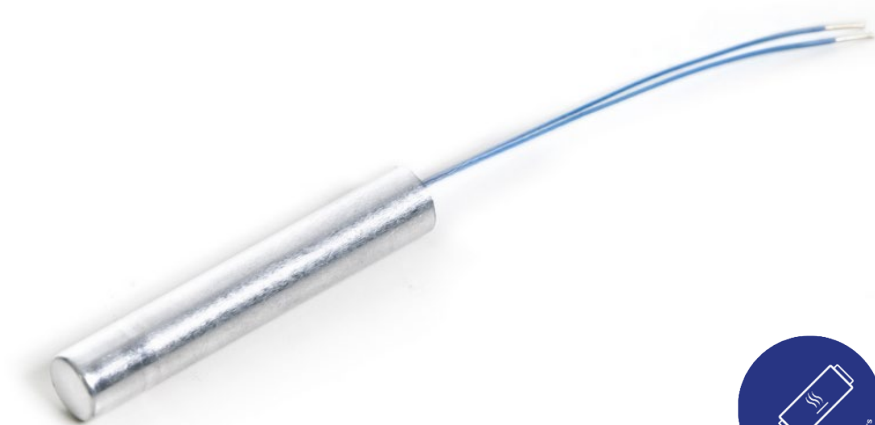
DRAWING



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PSA-130-75-XX-I/100 12-24V

Contact Heater



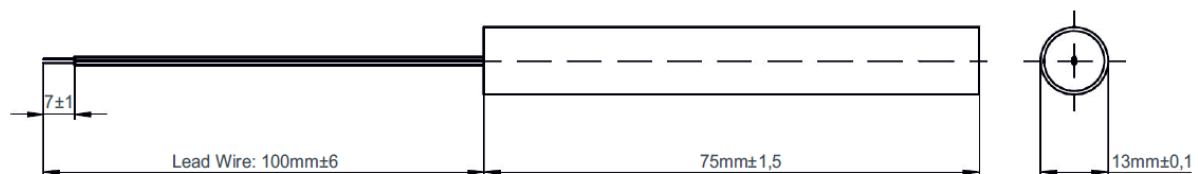
Type	PSA (PTC-Heating Element)		
	PSA-130-75-35-I/100	PSA-130-75-35-I/100	PSA-130-75-33-I/100
Operating Voltage (V)	12 - 24		
Nominal Voltage (V)	24		
Power * $\pm 10\%$ (W)	30	78	86
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air (-25°C) without airflow ($^\circ\text{C}$)	75	165	210
Max. Inrush Current (A)	9	29	36
Resistance at 25°C (Ω)	4 - 9,3	1,5 - 3,2	2,1 - 6,3
Diameter Housing (mm)	13		
Length Housing (mm)	75		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length (mm)	100		
Connection	Single wire		
Approvals	CE		
Insulation Test Voltage (V)	500		
Order Nr. **	395296,01	395297,01	395298,01

* Power measured in ice-water ($\sim 0^\circ\text{C}$)

** Available without pressing (Order No: xxx,01) or with pressing (Order No: xxx,02) to increase strain relief ($>30\text{N}$)(see overview)



DRAWING



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PSA-160-75-XX-I/100 12-24V

Contact Heater



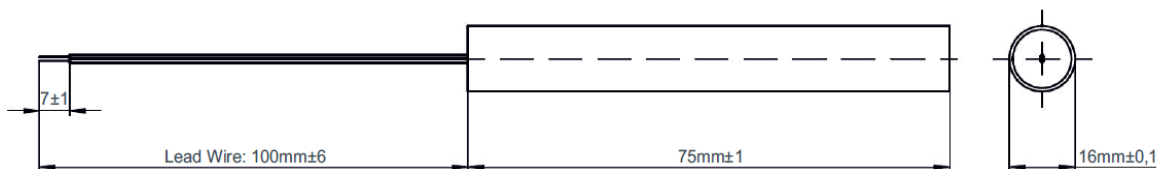
Type	PSA (PTC-Heating Element)		
	PSA-160-75-35-I/100	PSA-160-75-35-I/100	PSA-160-75-33-I/100
Operating Voltage (V)	12 - 24		
Nominal Voltage (V)	24		
Power * $\pm 10\%$ (W)	20	61	76
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air (-25°C) without airflow ($^\circ\text{C}$)	70	165	200
Max. Inrush Current (A)	8	30	35
Resistance at 25°C (Ω)	4 - 9,3	1,5 - 3,2	2,1 - 6,3
Diameter Housing (mm)	16		
Length Housing (mm)	75		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length (mm)	100		
Connection	Single wire		
Approvals	CE		
Insulation Test Voltage (V)	500		
Order Nr. **	395299,01	395300,01	395301,01

* Power measured in ice-water ($\sim 0^\circ\text{C}$)

** Available without pressing (Order No: xxx,01) or with pressing (Order No: xxx,02) to increase strain relief ($>30\text{N}$) (see overview)



DRAWING



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PSA-180-75-XX-I/100 12-24V

Contact Heater



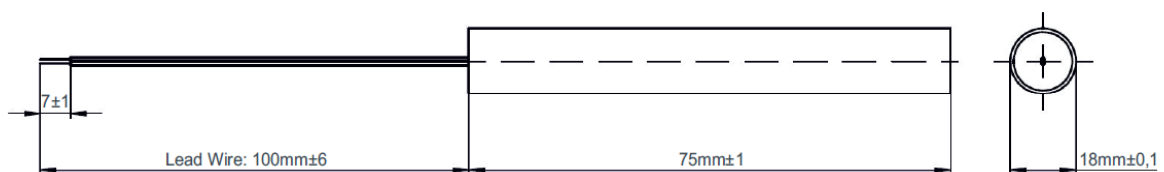
Type	PSA (PTC-Heating Element)		
	PSA-180-75-35-I/100	PSA-180-75-35-II/100	PSA-180-75-33-II/100
Operating Voltage (V)	12 - 24		
Nominal Voltage (V)	24		
Power * $\pm 10\%$ (W)	20	61	75
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air ($\sim -25^\circ\text{C}$) without airflow ($^\circ\text{C}$)	70	160	200
Max. Inrush Current (A)	9	29	37
Resistance at 25°C (Ω)	4 - 9,3	1,5 - 3,2	2,1 - 6,3
Diameter Housing (mm)	18		
Length Housing (mm)	75		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length (mm)	100		
Connection	Single wire		
Approvals	CE		
Insulation Test Voltage (V)	500		
Order Nr. **	395302,01	395303,01	395304,01

* Power measured in ice-water ($\sim 0^\circ\text{C}$)

** Available without pressing (Order No: xxx,01) or with pressing (Order No: xxx,02) to increase strain relief ($>30\text{N}$)(see overview)



DRAWING



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PSA-220-60-XX-I/100 12-24V

Contact Heater



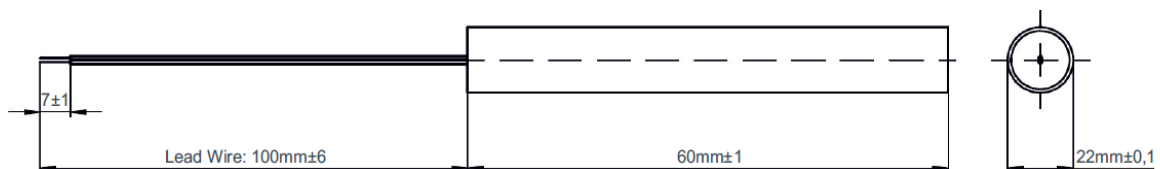
Type	PSA (PTC-Heating Element)		
	PSA-220-60-33-I/100	PSA-220-60-33-I/100	PSA-220-60-31-I/100
Operating Voltage (V)	12 - 24		
Nominal Voltage (V)	24		
Power * $\pm 10\%$ (W)	17	54	64
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air ($\sim 25^\circ\text{C}$) without airflow ($^\circ\text{C}$)	65	155	190
Max. Inrush Current (A)	8	32	35
Resistance at 25°C (Ω)	4,2 - 9,7	1,6 - 3,3	2,2 - 6,6
Diameter Housing (mm)	22		
Length Housing (mm)	60		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length (mm)	100		
Connection	Single wire		
Approvals	CE		
Insulation Test Voltage (V)	500		
Order Nr. **	395305,01	395306,01	395307,01

* Power measured in ice-water ($\sim 0^\circ\text{C}$)

** Available without pressing (Order No: xxx,01) or with pressing (Order No: xxx,02) to increase strain relief ($>30\text{N}$) (see overview)



DRAWING



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