

PSA-Series Overview 110-240V

Features

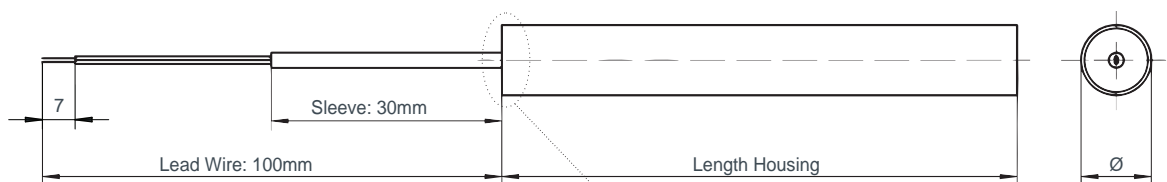
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	Ø	Length of Housing	Power * ±10%	Surface Temperature ±10°C	Order No. **
PSA-060-48-XX	6mm	48mm	11W	80°C	395206,01 (02)
			28W	140°C	395207,01 (02)
			52W	220°C	395208,01 (02)
PSA-090-75-XX	9mm	75mm	26W	80°C	395209,01 (02)
			45W	140°C	395210,01 (02)
			113W	220°C	395211,01 (02)
PSA-130-75-XX	13mm	75mm	21W	80°C	395212,01 (02)
			38W	130°C	395213,01 (02)
			110W	220°C	395214,01 (02)
PSA-160-75-XX	16mm	75mm	19W	80°C	395215,01 (02)
			33W	130°C	395216,01 (02)
			102W	210°C	395217,01 (02)
PSA-180-75-XX	18mm	75mm	19W	80°C	395218,01 (02)
			31W	120°C	395219,01 (02)
			89W	210°C	395220,01 (02)
PSA-220-60-XX	22mm	60mm	17W	80°C	395221,01 (02)
			29W	120°C	395222,01 (02)
			72W	200°C	395223,01 (02)

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

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

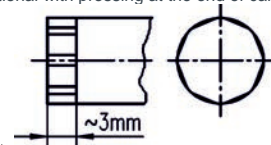


UL-File No. E66892



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

Optional with pressing at the end of cartridge



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

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

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

Features

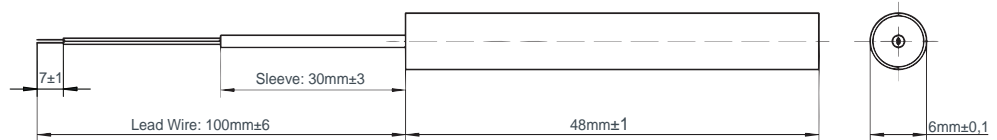
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



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 measured on free air (~25°C) without airflow	80°C	140°C	220°C
max. Inrush Current	1,5A	2A	2,5A
Resistance at 25°C	1324 - 2749Ω	624 - 1290Ω	1399 - 3148Ω
Diameter Housing	6mm		
Length Housing	48mm		
Wire Type	PTFE, Cu-silver plated, AWG24, blue		
Wire Length	100mm		
Connection	single wire		
Protection Class / Approvals	II / UL / CE		
Insulation Test Voltage	3.750V		
Order Nr. **	395206,01	395207,01	395208,01

* Power measured in ice-water (~ 0°C)

** 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

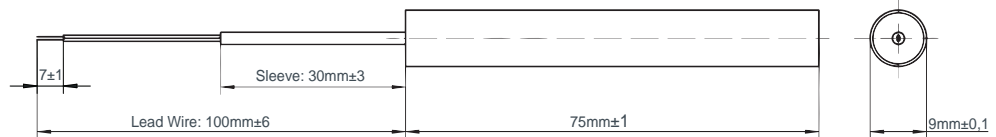
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-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 measured on free air (~25°C) without airflow	80°C	140°C	220°C
max. Inrush Current	3A	4,5A	5A
Resistance at 25°C	455 - 945Ω	300 - 620Ω	447 - 1006Ω
Diameter Housing	9mm		
Length Housing	75mm		
Wire Type	PTFE, Cu-silver plated, AWG24, blue		
Wire Length	100mm		
Connection	single wire		
Protection Class / Approvals	II / UL / CE		
Insulation Test Voltage	3.750V		
Order Nr. **	395209,01	395210,01	395211,01

* Power measured in ice-water (~ 0°C)

** 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

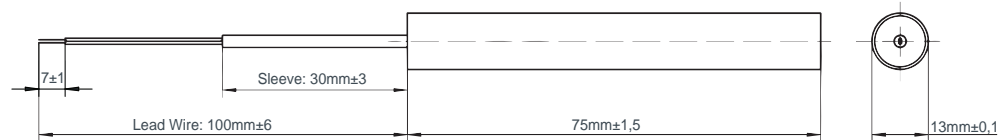
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



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 measured on free air (-25°C) without airflow	80°C	130°C	220°C
max. Inrush Current	3A	4,5A	5A
Resistance at 25°C	455 - 945Ω	300 - 620Ω	413 - 743Ω
Diameter Housing	13mm		
Length Housing	75mm		
Wire Type	PTFE, Cu-silver plated, AWG24, blue		
Wire Length	100mm		
Connection	single wire		
Protection Class / Approvals	II / UL / CE		
Insulation Test Voltage	3.750V		
Order Nr. **	395212,01	395213,01	395214,01

* Power measured in ice-water (~ 0°C)

** 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

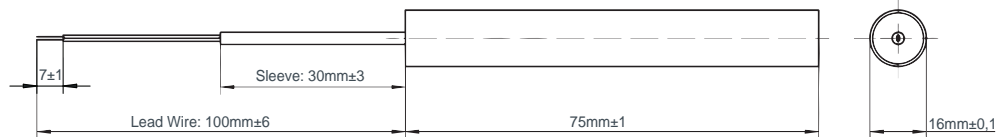
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



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 measured on free air (-25°C) without airflow	80°C	130°C	210°C
max. Inrush Current	3A	4,5A	5A
Resistance at 25°C	455 - 945Ω	300 - 620Ω	413 - 743Ω
Diameter Housing	16mm		
Length Housing	75mm		
Wire Type	PTFE, Cu-silver plated, AWG24, blue		
Wire Length	100mm		
Connection	single wire		
Protection Class / Approvals	II / UL / CE		
Insulation Test Voltage	3.750V		
Order Nr. **	395215,01	395216,01	395217,01

* Power measured in ice-water (~ 0°C)

** 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

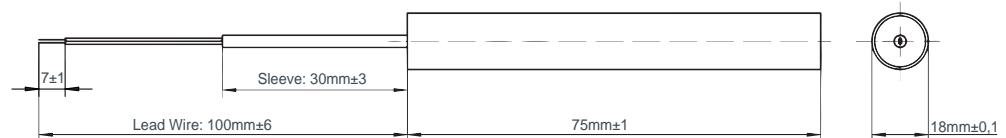
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



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 measured on free air (-25°C) without airflow	80°C	120°C	210°C
max. Inrush Current	3A	4,5A	5A
Resistance at 25°C	455 - 945Ω	300 - 620Ω	413 - 743Ω
Diameter Housing	18mm		
Length Housing	75mm		
Wire Type	PTFE, Cu-silver plated, AWG24, blue		
Wire Length	100mm		
Connection	single wire		
Protection Class / Approvals	II / UL / CE		
Insulation Test Voltage	3.750V		
Order Nr. **	395218,01	395219,01	395220,01

* Power measured in ice-water (~ 0°C)

** 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

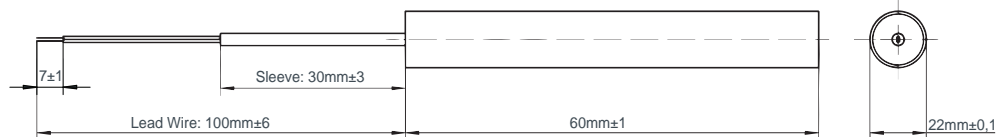
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



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 measured on free air (~25°C) without airflow	80°C	120°C	200°C
max. Inrush Current	3A	4,5A	5A
Resistance at 25°C	455 - 945Ω	300 - 620Ω	413 - 743Ω
Diameter Housing	22mm		
Length Housing	60mm		
Wire Type	PTFE, Cu-silver plated, AWG24, blue		
Wire Length	100mm		
Connection	single wire		
Protection Class / Approvals	II / UL / CE		
Insulation Test Voltage	3.750V		
Order Nr. **	395221,01	395222,01	395223,01

* Power measured in ice-water (~ 0°C)

** 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

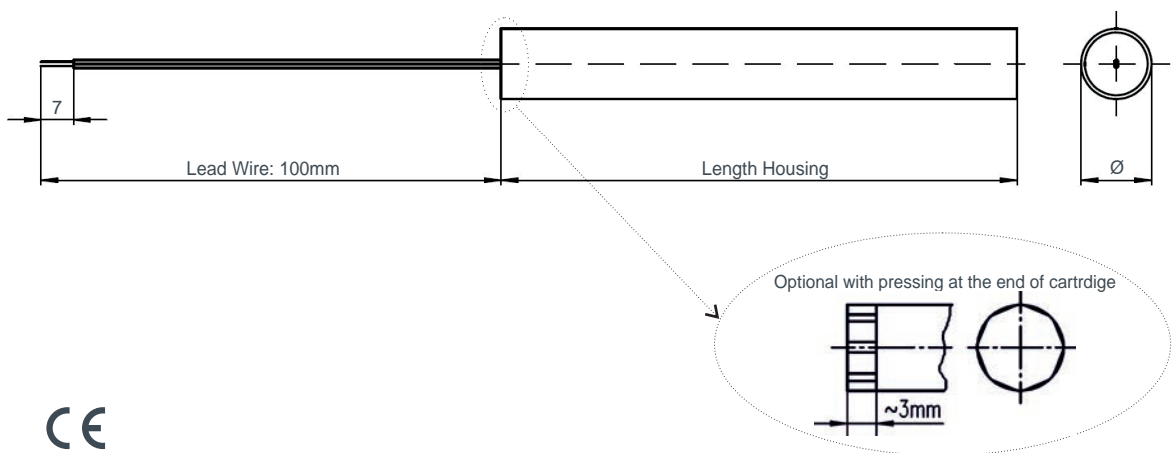
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	Ø	Length of Housing	Power * ±10%	Surface Temperature ±10°C	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)



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

PSA-060-48-XX-I/100

12-24V

Features

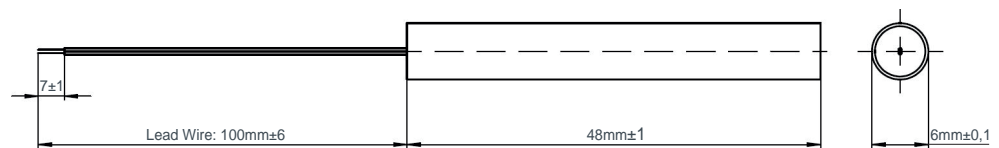
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-060-48-16-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 measured on free air (~25°C) without airflow	70°C	165°C	230°C
max. Inrush Current	4A	16A	17A
Resistance at 25°C	8,7 - 20,4Ω	3 - 6,1Ω	4,5 - 13,5Ω
Diameter Housing	6mm		
Length Housing	48mm		
Wire Type	FEP, Cu-tinned, 0,2mm², blue		
Wire Length	100mm		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395290,01	395291,01	395292,01

* Power measured in ice-water (~ 0°C)

** 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

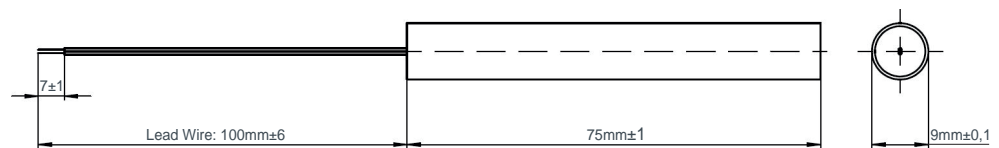
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-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 measured on free air (-25°C) without airflow	75°C	165°C	220°C
max. Inrush Current	7A	29A	34A
Resistance at 25°C	4 - 9,3Ω	1,3 - 2,6Ω	1,9 - 5,7Ω
Diameter Housing	9mm		
Length Housing	75mm		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length	100mm		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395293,01	395294,01	395295,01

* Power measured in ice-water (~ 0°C)

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



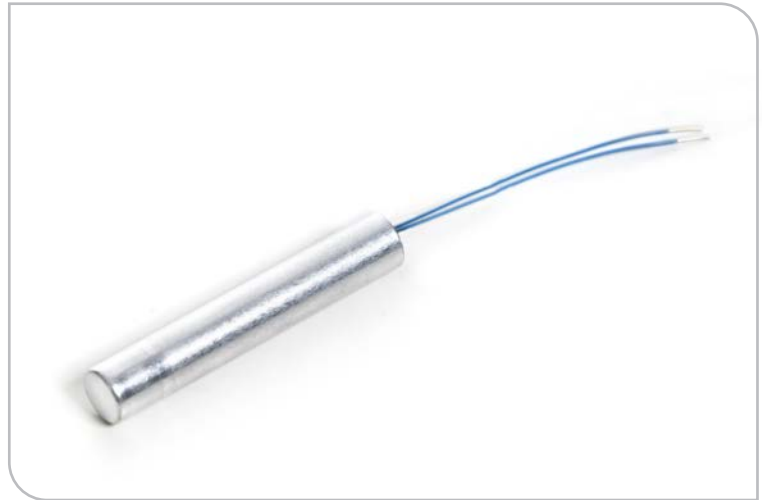
NOTICE: Electrical component - please be advised to assure strain relief with assembly.

PSA-130-75-XX-I/100

12-24V

Features

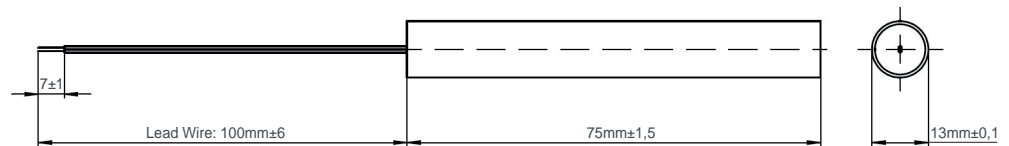
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-130-75-35-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 measured on free air (-25°C) without airflow	75°C	165°C	210°C
max. Inrush Current	9A	29A	36A
Resistance at 25°C	4 - 9,3Ω	1,5 - 3,2Ω	2,1 - 6,3Ω
Diameter Housing	13mm		
Length Housing	75mm		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length	100mm		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395296,01	395297,01	395298,01

* Power measured in ice-water (~ 0°C)

** 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

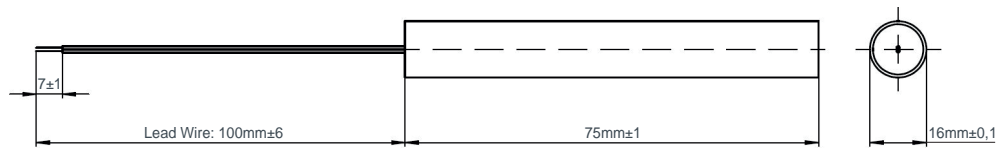
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



Type	PSA (PTC Heating Element)		
	PSA-160-75-35-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 measured on free air (-25°C) without airflow	70°C	165°C	200°C
max. Inrush Current	8A	30A	35A
Resistance at 25°C	4 - 9,3Ω	1,5 - 3,2Ω	2,1 - 6,3Ω
Diameter Housing	16mm		
Length Housing	75mm		
Wire Type	FEP, Cu-tinned, 0,2mm², blue		
Wire Length	100mm		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395299,01	395300,01	395301,01

* Power measured in ice-water (~ 0°C)

** 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

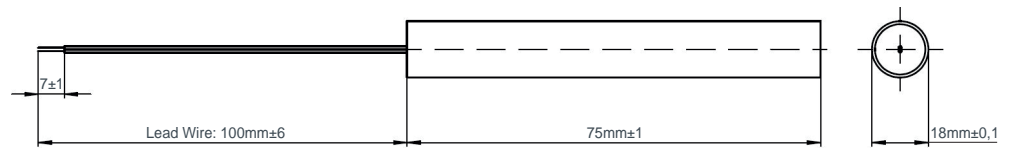
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



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 * $\pm 10\%$	20W	61W	75W
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air (-25°C) without airflow	70°C	160°C	200°C
max. Inrush Current	9A	29A	37A
Resistance at 25°C	4 - 9,3 Ω	1,5 - 3,2 Ω	2,1 - 6,3 Ω
Diameter Housing	18mm		
Length Housing	75mm		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length	100mm		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
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)



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

PSA-220-60-XX-I/100

12-24V

Features

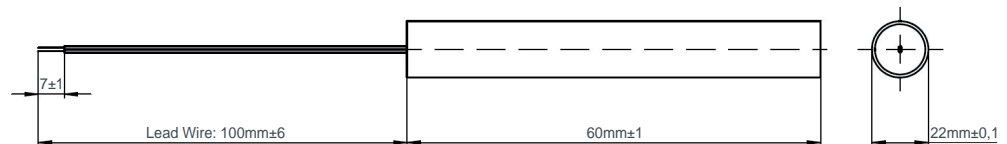
- High power heating element
- Compact design
- Extremely forgiving against mishandling
- Highly effective heat transfer provided by the aluminum housing
- Available in different power - / temperature levels



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 measured on free air (~25°C) without airflow	65°C	155°C	190°C
max. Inrush Current	8A	32A	35A
Resistance at 25°C	4,2 - 9,7Ω	1,6 - 3,3Ω	2,2 - 6,6Ω
Diameter Housing	22mm		
Length Housing	60mm		
Wire Type	FEP, Cu-tinned, 0,2mm ² , blue		
Wire Length	100mm		
Connection	single wire		
Approvals	CE		
Insulation Test Voltage	500V		
Order Nr. **	395305,01	395306,01	395307,01

* Power measured in ice-water (~ 0°C)

** 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.