

# PAS-FHE-Series Standard Type 12-24V

Contact Heater



Type	Dimensions	Length Housing	Power * ± 10%	Surface Temperature ± 10°C	Order No.
PAS-020-40-XX	20 x 7mm	40mm	11W	70°C	395330-01
			18W	90°C	395331-01
			53W	155°C	395332-01
			68W	210°C	395333-01
PAS-140-54-XX	14 x 6mm	54mm	27W	75°C	395338-01
			41W	100°C	395339-01
			71W	155°C	395340-01
			90W	210°C	395341-01
FHE-35-64-XX	35 x 8mm	64mm	21W	70°C	395346-01
			30W	100°C	395347-01
			62W	150°C	395348-01
			88W	200°C	395349-01

\* Power measured in ice-water (approx. 0°C) at 24V



## FEATURES

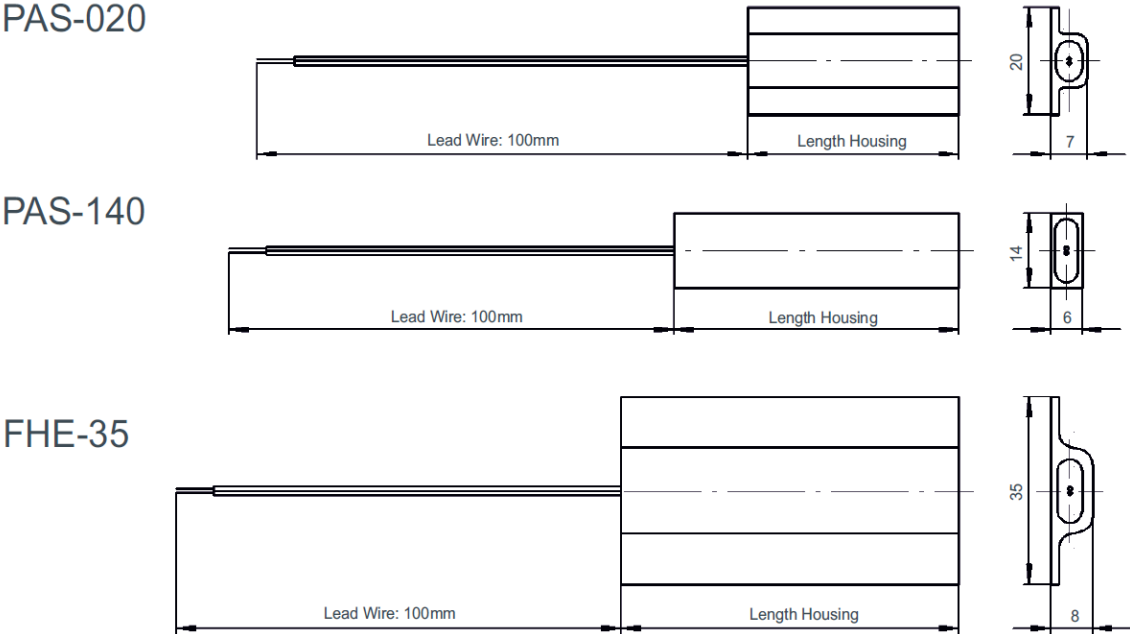
- Self-regulating heating element with different aluminum case
- Compact design
- Easy assembling
- Highly effective heat transfer provided by the aluminum casing
- Extremely forgiving against mishandling
- Available in different power - / temperature levels

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## DRAWING



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

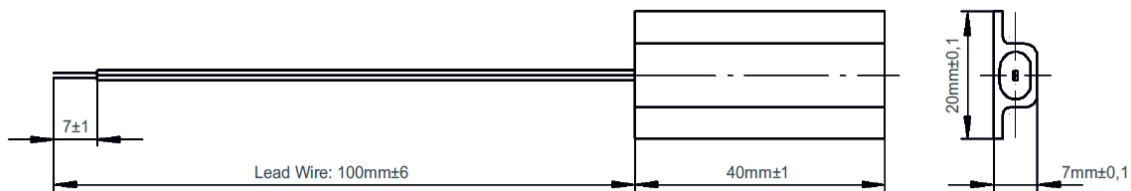
# PAS-020-40-XX-I/100 12-24V

Contact Heater



Type	PAS (PTC-Heating Element)			
	PAS-020-40-12-I/100	PAS-020-40-12-I/100	PAS-020-40-15-I/100	PAS-020-40-15-I/100
Operating Voltage (V)	12 - 24			
Nominal Voltage (V)	24			
Power * $\pm 10\%$ (W)	11	18	53	68
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air ( $\sim 25^\circ\text{C}$ ) without airflow ( $^\circ\text{C}$ )	70	90	155	210
Max. Inrush Current (A)	3	3	18	17
Resistance at $25^\circ\text{C}$ ( $\Omega$ )	12 - 28	12 - 28	3 - 6	5 - 14
Dimension Housing (mm)	20 x 7			
Length Housing (mm)	40			
Wire Type	FEP, Cu-tinned, 0,2mm <sup>2</sup> , blue			
Wire Length (mm)	100			
Connection	Single wire			
Protection Class / Approvals	CE			
Insulation Test Voltage (V)	500			
Order No.	395330-01	395331-01	395332-01	395333-01

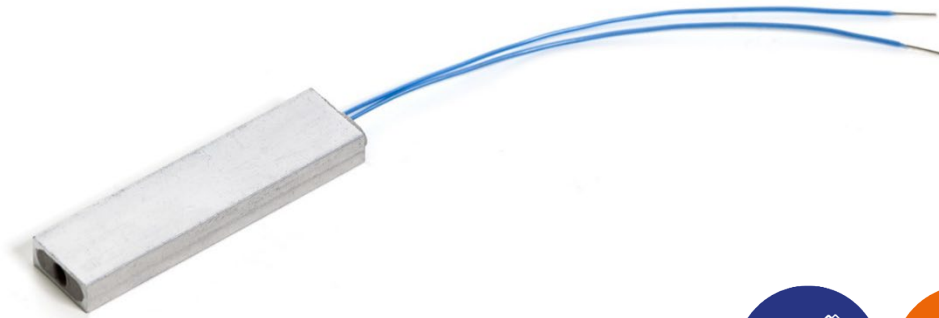
\* Power measured in ice-water ( $\sim 0^\circ\text{C}$ )



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# PAS-140-54-XX-I/100 12-24V

Contact Heater



Type	PAS (PTC-Heating Element)			
	PAS-140-54-23-I/100	PAS-140-54-23-I/100	PAS-140-54-22-I/100	PAS-140-54-22-I/100
Operating Voltage (V)	12 - 24			
Nominal Voltage (V)	24			
Power * $\pm 10\%$ (W)	27	41	71	90
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air ( $\sim 25^\circ\text{C}$ ) without airflow ( $^\circ\text{C}$ )	75	100	155	210
Max. Inrush Current (A)	7	6	20	18
Resistance at $25^\circ\text{C}$ ( $\Omega$ )	6 - 14	6 - 14	2 - 4	3 - 10
Dimension Housing (mm)	14 x 6			
Length Housing (mm)	54			
Wire Type	FEP, Cu-tinned, 0,2mm <sup>2</sup> , blue			
Wire Length (mm)	100			
Connection	Single wire			
Protection Class / Approvals	CE			
Insulation Test Voltage (V)	500			
Order No.	395338-01	395339-01	395340-01	395341-01

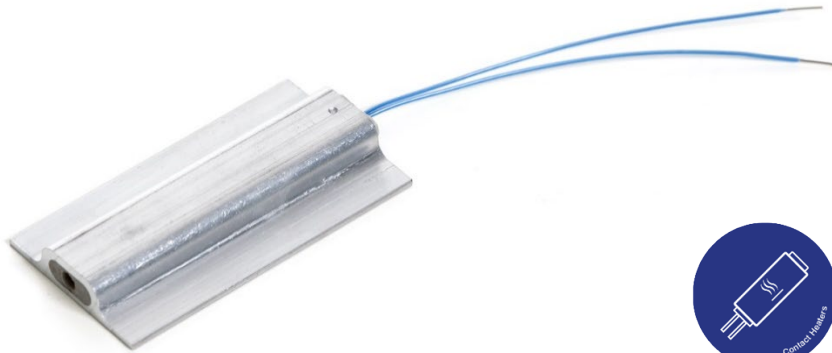
\* Power measured in ice-water ( $\sim 0^\circ\text{C}$ )



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

# FHE-35-64-XX-I/100 12-24V

## Contact Heater



Type	FHE (PTC-Heating Element)			
	FHE-35-64-23-I/100	FHE-35-64-22-I/100	FHE-35-64-22-I/100	FHE-35-64-22-I/100
Operating Voltage (V)	12 - 24			
Nominal Voltage (V)	24			
Power * $\pm 10\%$ (W)	21	30	62	88
Surface Temperature $\pm 10^\circ\text{C}$ measured on free air ( $\sim 25^\circ\text{C}$ ) without airflow ( $^\circ\text{C}$ )	70	100	150	200
Max. Inrush Current (A)	5	3	19	21
Resistance at $25^\circ\text{C}$ ( $\Omega$ )	6 - 14	17 - 31	2 - 4	3 - 10
Dimension Housing (mm)	35 x 8			
Length Housing (mm)	64			
Wire Type	FEP, Cu-tinned, 0,2mm <sup>2</sup> , blue			
Wire Length (mm)	100			
Connection	Single wire			
Protection Class / Approvals	CE			
Insulation Test Voltage (V)	500			
Order No.	395346-01	395347-01	395348-01	395349-01
* Power measured in ice-water ( $\sim 0^\circ\text{C}$ )				



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