

**PAS-FHE Series Standard Type 110-240V**

**Features:**

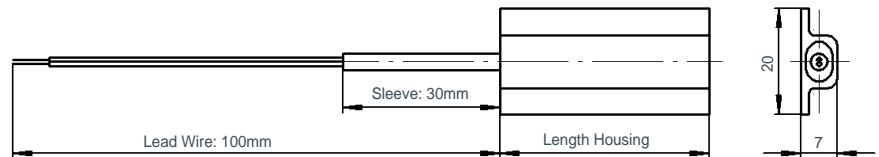
- Self-regulating heating element with different aluminium case
- Compact design
- Easy assembling
- Highly effective heat transfer provided by the aluminium casing
- Extremely forgiving against mishandling
- Available in different power - / temperature levels



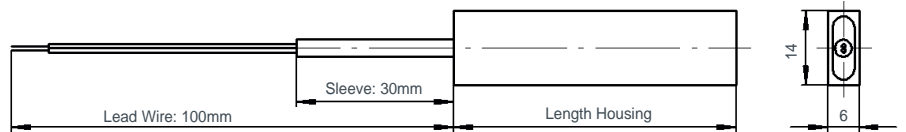
Type	Dimensions	Length Housing	Power * ± 10%	Surface Temperature ± 10°C	Order Nr.
PAS-020-40-XX	20 x 7mm	40mm	10W	80°C	395326,01
			14W	100°C	395327,01
			23W	140°C	395328,01
			58W	205°C	395329,01
PAS-140-54-XX	14 x 6mm	54mm	26W	85°C	395334,01
			34W	105°C	395335,01
			71W	160°C	395336,01
			111W	230°C	395337,01
FHE-35-64-XX	35 x 8mm	64mm	26W	80°C	395342,01
			40W	100°C	395343,01
			60W	150°C	395344,01
			134W	225°C	395345,01

\* Power measured in ice-water (approx. 0°C) at 230V

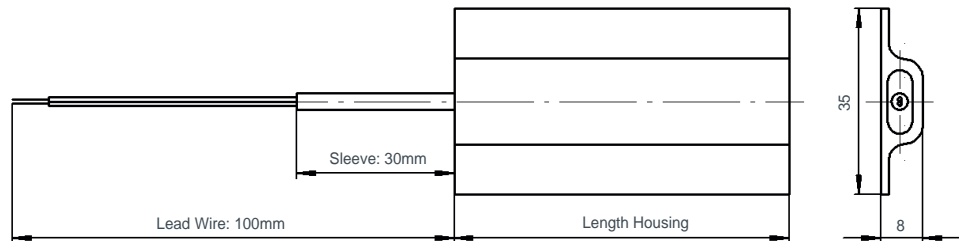
**PAS-020**



**PAS-140**



**FHE-35**



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



UL-File No. E66892

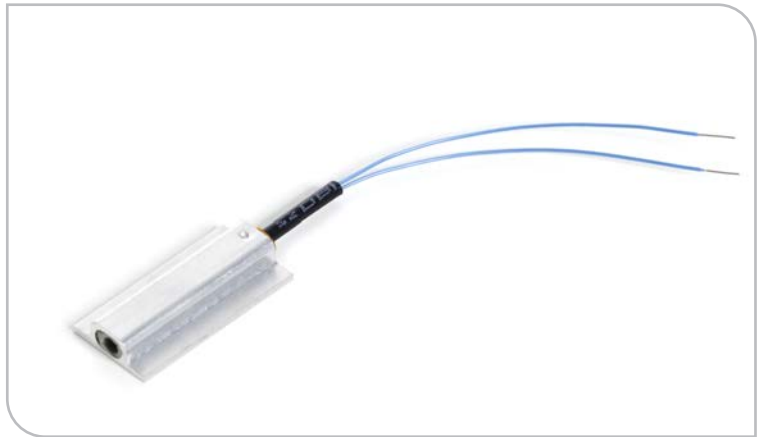


NOTICE: Electrical component - please be advised to assure strain relief with assembly.  
Also available as protection class I (DIN EN 60335-1)

**PAS-020-40-XX-II/100-30 110-240V**

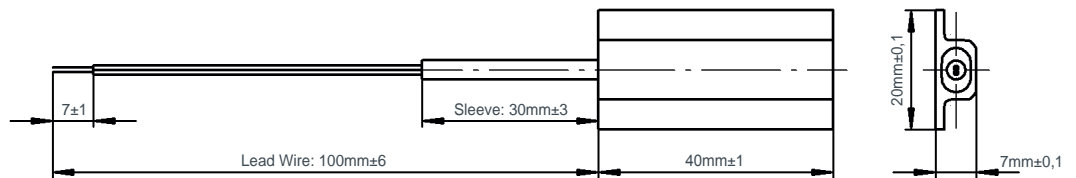
**Features:**

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



Type	PAS (PTC Heating Element)			
	PAS-020-40-12 II/100-30	PAS-020-40-12 II/100-30	PAS-020-40-12 II/100-30	PAS-020-40-14 II/100-30
Operating Voltage	110-240V			
Nominal Voltage	230V			
Power * ±10%	10W	14W	23W	58W
Surface Temperature ±10°C measured on free air (~ 25°C) without airflow	80°C	100°C	140°C	205°C
max. Inrush Current	1A	2A	2A	2A
Resistance at 25°C	910 - 1890Ω	910 - 1890Ω	650 - 1350Ω	1060 - 2390Ω
Dimension Housing	20 x 7mm			
Length Housing	40mm			
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.	395326,01	395327,01	395328,01	395329,01

\* Power measured in ice-water (~ 0°C)



UL-File No. E66892



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

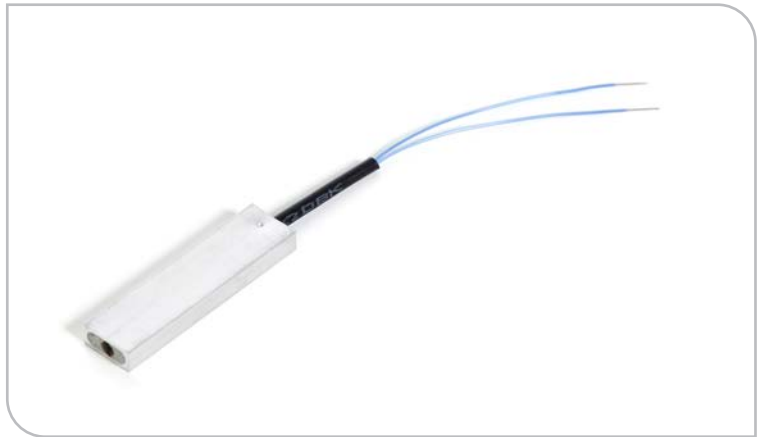
Also available as protection class I (DIN EN 60335-1)

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

**PAS-140-54-XX-II/100-30 110-240V**

**Features:**

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



Type	PAS (PTC Heating Element)			
	PAS-140-54-23 II/100-30	PAS-140-54-23 II/100-30	PAS-140-54-23 II/100-30	PAS-140-54-35 II/100-30
Operating Voltage	110-240V			
Nominal Voltage	230V			
Power * ±10%	26W	34W	71W	111W
Surface Temperature ±10°C measured on free air (~ 25°C) without airflow	85°C	105°C	160°C	230°C
max. Inrush Current	2A	3A	1A	5A
Resistance at 25°C	455 - 945Ω	455 - 945Ω	325 - 675Ω	415 - 940Ω
Dimension Housing	14 x 6mm			
Length Housing	54mm			
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.	395334,01	395335,01	395336,01	395337,01

\* Power measured in ice-water (~ 0°C)



UL-File No. E66892



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

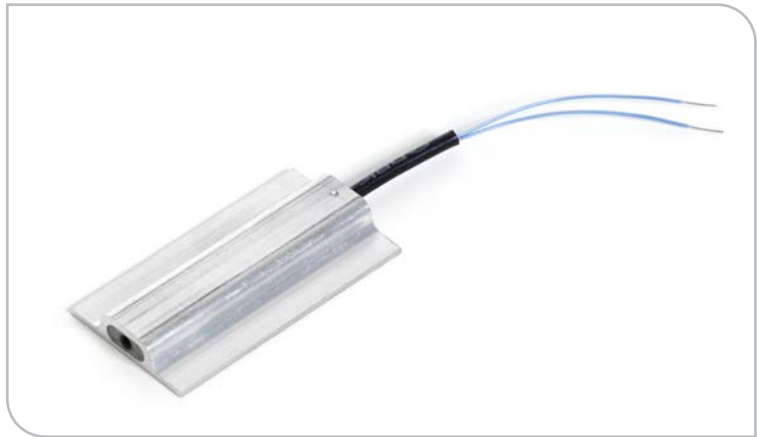
Also available as protection class I (DIN EN 60335-1)

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

**FHE-35-64-XX-II/100-30 110-240V**

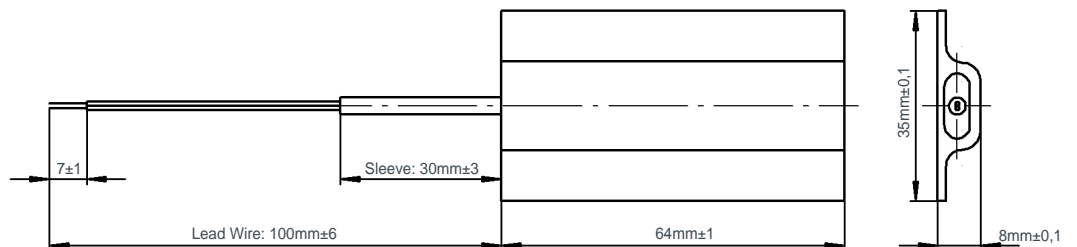
**Features:**

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



Type	FHE (PTC Heating Element)			
	FHE-35-64-23-II/100-30	FHE-35-64-23-II/100-30	FHE-35-64-22-II/100-30	FHE-35-64-44-II/100-30
Operating Voltage	110-240V			
Nominal Voltage	230V			
Power * ±10%	26W	40W	60W	134W
Surface Temperature±10°C measured on free air (~ 25°C) without airflow	80°C	100°C	150°C	225°C
max. Inrush Current	1A	2A	3A	6A
Resistance at 25°C	455 - 945Ω	455 - 945Ω	350 - 1050Ω	330 - 745Ω
Dimension Housing	35 x 8mm			
Length Housing	64mm			
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.	395342,01	395343,01	395344,01	395345,01

\* Power measured in ice-water (~ 0°C)



UL-File No. E66892



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

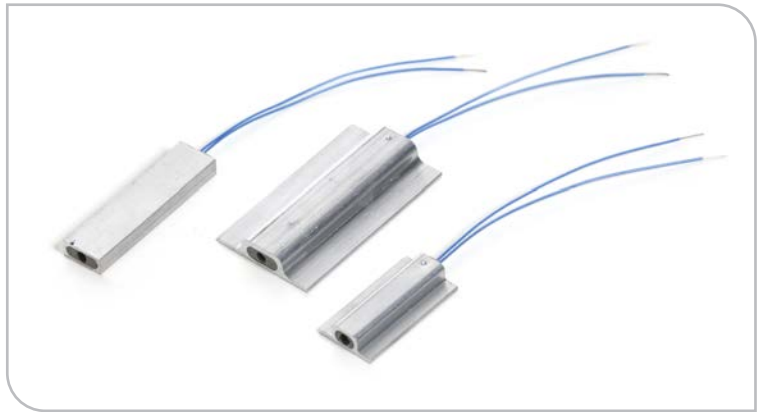
Also available as protection class I (DIN EN 60335-1)

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

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

**Features:**

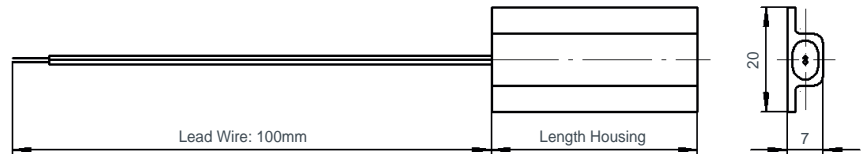
- Self-regulating heating element with different aluminium case
- Compact design
- Easy assembling
- Highly effective heat transfer provided by the aluminium casing
- Extremely forgiving against mishandling
- Available in different power - / temperature levels



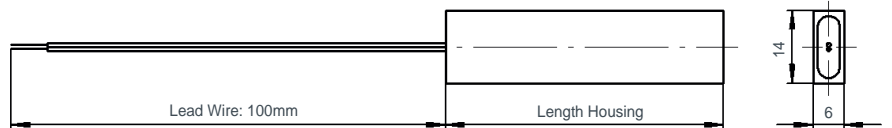
Type	Dimensions	Length Housing	Power * ± 10%	Surface Temperature ± 10°C	Order Nr.
PAS-020-40-XX	20 x 7mm	40mm	11W	70°C	395330,01
			18W	90°C	395331,01
			53W	155°C	395332,01
			68W	210°C	395333,01
PAS-140-54-XX	14 x 6mm	54mm	27W	75°C	395338,01
			41W	100°C	395339,01
			71W	155°C	395340,01
			90W	210°C	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

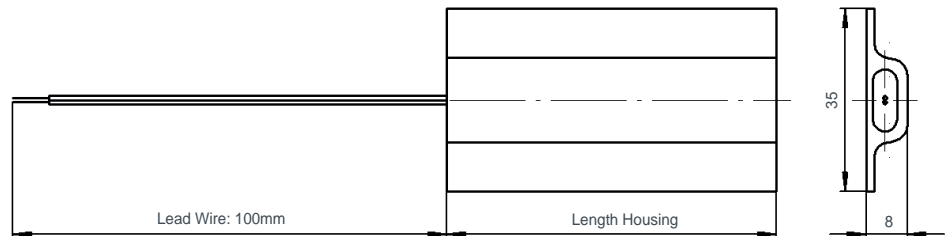
**PAS-020**



**PAS-140**



**FHE-35**



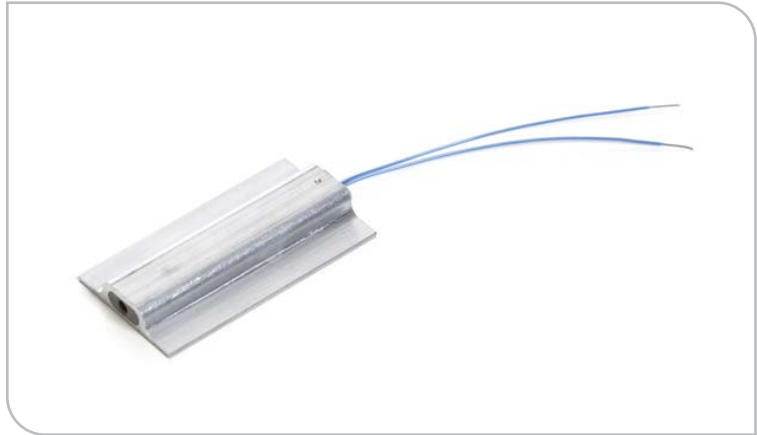
NOTICE: Electrical component - please be advised to assure strain relief with assembly.

**PAS-020-40-XX-I/100**

**12-24V**

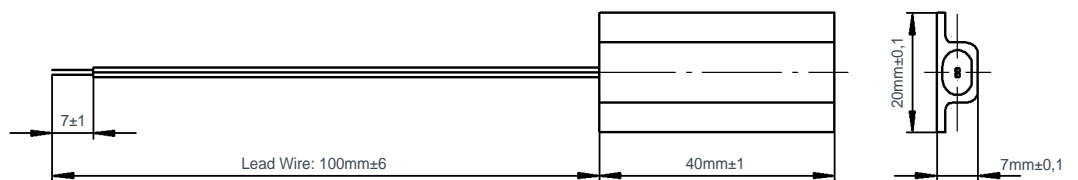
**Features:**

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



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	12-24V			
Nominal Voltage	24V			
Power * ±10%	11W	18W	53W	68W
Surface Temperature ±10°C measured on free air (~ 25°C) without airflow	70°C	90°C	155°C	210°C
max. Inrush Current	3A	3A	18A	17A
Resistance at 25°C	12 - 28Ω	12 - 28Ω	3 - 6Ω	5 - 14Ω
Dimension Housing	20 x 7mm			
Length Housing	40mm			
Wire Type	FEP, Cu-tinned, 0,2mm², blue			
Wire Length	100mm			
Connection	single wire			
Approvals	CE			
Insulation Test Voltage	500V			
Order Nr.	395330,01	395331,01	395332,01	395333,01

\* Power measured in ice-water (~ 0°C)



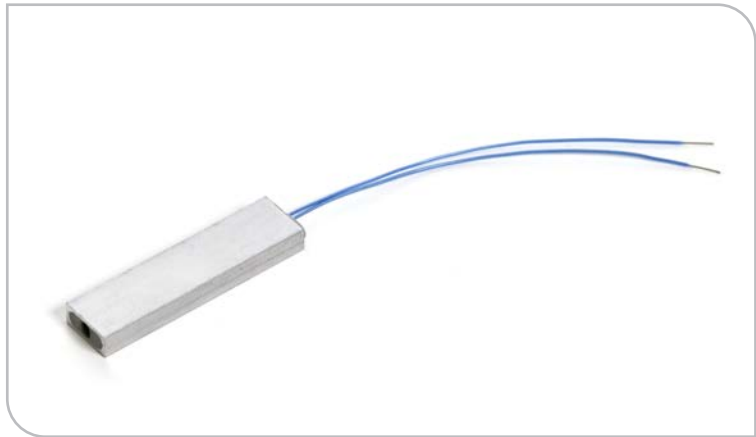
NOTICE: Electrical component - please be advised to assure strain relief with assembly.

**PAS-140-54-XX-I/100**

**12-24V**

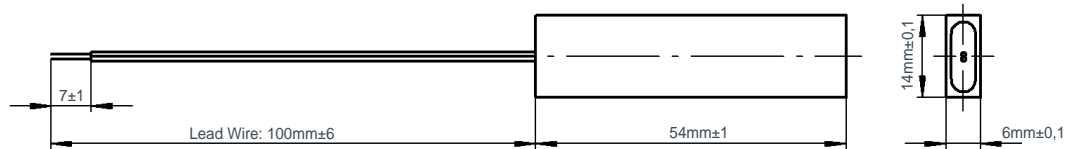
**Features:**

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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	12-24V			
Nominal Voltage	24V			
Power * ±10%	27W	41W	71W	90W
Surface Temperature ±10°C measured on free air (~ 25°C) without airflow	75°C	100°C	155°C	210°C
max. Inrush Current	7A	6A	20A	18A
Resistance at 25°C	6 - 14Ω	6 - 14Ω	2 - 4Ω	3 - 10Ω
Dimension Housing	14 x 6mm			
Length Housing	54mm			
Wire Type	FEP, Cu-tinned, 0,2mm², blue			
Wire Length	100mm			
Connection	single wire			
Approvals	CE			
Insulation Test Voltage	500V			
Order Nr.	395338,01	395339,01	395340,01	395341,01

\* Power measured in ice-water (~ 0°C)



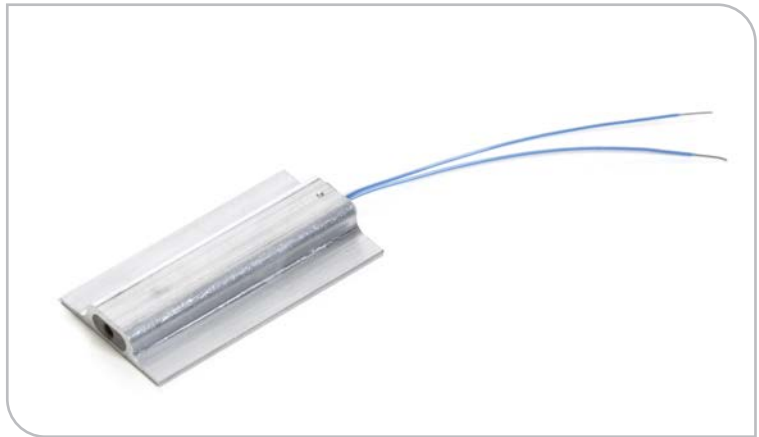
NOTICE: Electrical component - please be advised to assure strain relief with assembly.

FHE-35-64-XX-I/100

12-24V

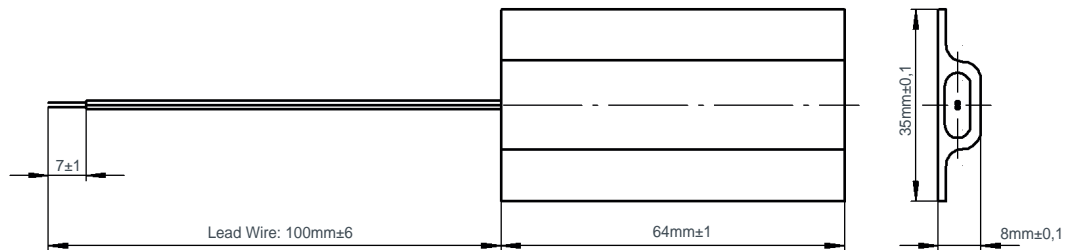
**Features:**

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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	12-24V			
Nominal Voltage	24V			
Power * ±10%	21W	30W	62W	88W
Surface Temperature ±10°C measured on free air (~ 25°C) without airflow	70°C	100°C	150°C	200°C
max. Inrush Current	5A	3A	19A	21A
Resistance at 25°C	6 - 14Ω	17 - 31Ω	2 - 4Ω	3 - 10Ω
Dimension Housing	35 x 8mm			
Length Housing	64mm			
Wire Type	FEP, Cu-tinned, 0,2mm², blue			
Wire Length	100mm			
Connection	single wire			
Approvals	CE			
Insulation Test Voltage	500V			
Order Nr.	395346,01	395347,01	395348,01	395349,01

\* Power measured in ice-water (~ 0°C)



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