




CONNECTION HEADS

Also referred to as Terminal Heads

Connection heads provide environmental protection for the electrical terminals on terminal blocks or temperature transmitters fitted to resistance thermometers or thermocouple inserts. Connection heads have a range of specifications and features to allow you to choose the best one for your temperature sensor and process.

Most Common Connection Heads

Image	Model	Description	Material	Lid Type	IP Rating	Standard Cable Entry	Termination	Weight Kg
	ALA	<ul style="list-style-type: none"> Great suitability for furnace applications Hinged lid 28mm plain bore with screw fixing Double screw lid Heavy duty construction 	Cast Aluminium	Double screw hinged lid <i>Flip top lid</i>	Not Rated	18mm	Terminal Block/ Transmitter	0.25kg
	BUZ	<ul style="list-style-type: none"> General purpose Aluminium alloy construction Rubber seals around lid Lid can be screwed down or be on a latch Silver paint finish Range of process and cable entries Suitable for terminal blocks or temperature transmitters 	Aluminium Alloy	Hinged dome lid	IP68	M20	Terminal Block/ Transmitter	0.26kg
	KNE	<ul style="list-style-type: none"> General purpose Aluminium alloy construction Epoxy painted Has an 'O' ring sealed screwed lid Stainless steel retention chain Suitable for terminal blocks or temperature transmitters 	Aluminium Alloy	Solid screwed lid with rubber seal and stainless steel chain	IP68	M20	Terminal Block/ Transmitter	0.26kg






Compensating cable uses a different composition to extension cable (true thermocouple cable) and is only used to extend a thermocouple signal from the thermocouple sensor back to instrumentation. Compensating cable can only be used in near ambient temperatures up to 200°C.

Seals and Glands

Seals and glands can be changed to suit higher temperature ranges and different environments.

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Alternative Connection Heads

Image	Model	Description	Material	Lid Type	IP Rating	Standard Cable Entry	Termination	Weight Kg
	KD	<ul style="list-style-type: none"> • KD (also known as BL and Din B) • Aluminium alloy construction • Standard thread • Accommodates a standard spring-loaded ceramic terminal block or temperature transmitter • Suitable for heavy duty thermocouple assembly designs 	Aluminium Alloy	Double screw lid	IP68	M20	Terminal Block/ Transmitter	0.15kg
	Din A	<ul style="list-style-type: none"> • Aluminium alloy construction • Silver painted finish • Pressed steel lid retained by 2 plated screws 	Aluminium Alloy	Pressed steel lid retained by 2 plated screws	IP43	M20	Terminal Block/ Transmitter	0.15kg
	KAA	<ul style="list-style-type: none"> • Aluminium alloy angled entry head • Silver painted finish • KAA does not accept transmitters. They have their own unique terminal blocks 	Aluminium Alloy	Hinged cap with retaining screw	IP67	M16	Unique Terminal Block	0.08kg
	KSE	<ul style="list-style-type: none"> • Miniature connection head • Screw lid with chain and rubber seal • Stainless steel retention chain • Silver paint finish 	Aluminium Alloy	Solid screwed lid with rubber seal and stainless steel chain	IP68	M16	Terminal Block/ Transmitter	0.15kg
	MA	<ul style="list-style-type: none"> • Miniature connection head • MA does not accept transmitters. They have their own unique terminal blocks 	Aluminium Alloy	Cap and retaining screw	IP66	M16	Unique Terminal Block	0.08kg

Other Connection Heads

Connection heads are also available in cast iron and stainless steel. If there is an alternative connection head you would like to use, that is not listed, please speak to our technical team for support.

Cable Entry

If you require a different cable entry for your temperature sensor, please speak to our technical team for support.

Ingress Protection (IP) Rating

IP Rating	Protection
IP65	Rated as protected against water projected from a nozzle and dust tight.
IP66	Rated as protected against heavy seas or powerful jets of water and dust tight.
IP67	Rated as protected against immersion (up to 1 metre and no longer than 30 minutes) and dust tight.
IP68	Rated as protected against effects of immersion in water under pressure for long periods and dust tight.
IP43	Rated as protected against solid objects over 1.0mm e.g. wires. Protected against sprays of water from any direction, even if the case is disposed up to 60° from vertical.