

- Environmental sealing
- Flexible after installation to avoid obstruction
- Simple to install
- Temperature rated to +105°C continuous

RBK-MTS

Flexible, two part connector sealing system for mini-timer connectors

RBK-MTS is a flexible, two part connector seal designed to provide moisture proof encapsulation of AMP Junior Timer connectors. The product consists of a single wall, heat-shrinkable tubing and an adhesive clip which can accommodate a

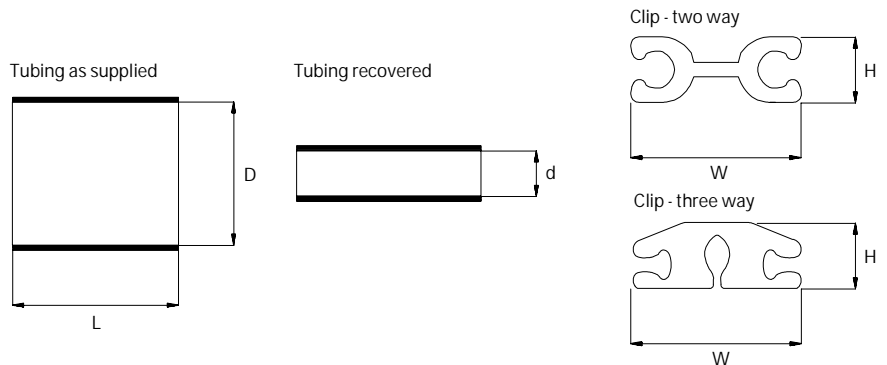
wide range of wire sizes. The clip is positioned at the back of the connector over the wires and the tubing placed over the lip of the connector. On heating the adhesive clip melts and flows around the wires as well as the back of the connector.

When cooled, the rear of the connector and wires are encapsulated by a moisture proof barrier and the contact given anti-backout protection.

Temperature rating

Operating temperature range: -40°C to +140°C

Ordering information



AMP Connector	Number of ways	Tubing Inside diameter		Length	Clip Length	Height	Ordering description
		D (min) Expanded as supplied	d (max) Recovered after heating	L (nom)	W (nom)	H (nom)	
AMP 0-827551-3	2	15.0	4.0	60.0	17.0	6.0	RBK-MTS-NR2/60
AMP 0-825414-3	2	15.0	4.0	115.0	17.0	6.0	RBK-MTS-NR2/160
AMP 0-827581-1	3	19.0	5.0	60.0	17.0	6.0	RBK-MTS-NR3/60

The product can only be ordered as a kit. Components cannot be ordered separately. The standard kit size is 1000 pieces.

Standard colours

Colour: Black

RBK-MTS

Performance

Sealing:	No leakage after 1 min. at 0.5 bar air pressure
Low temperature:	No cracking or deterioration in sealing performance after 3 h at -40°C
High temperature:	No cracking or deterioration in sealing performance and insulation resistance 2 x 10 ⁸ ohms (min) after 3000 h at +105°C
Thermal shock:	No cracking or deterioration in sealing or electrical performance after 168 h at +125°C
Anti-backout force:	75 N (min) at +50°C
Flexural lifetime:	No cracking or deterioration in sealing performance after 90° flex for 500 cycles
Insulation resistance:	2 x 10 ⁸ ohms (min)
Salt fog environment:	No cracking or deterioration in sealing performance after 500 h in salt spray (ASTM B117)
Temperature/humidity cycling:	No cracking or deterioration in sealing or electrical performance after 10 cycles each consisting of: +40°C for 16 h at 95% R.H. -40°C for 2 h +105°C for 2 h +23°C for 4 h
Fluid resistance:	No cracking or deterioration in sealing performance after samples immersed for 24 h at 23°C in each of the following fluids: Engine oil to SAE 10W/40 Brake fluid to SAE J 1703 Antifreeze to 50/50 v/v Car wash detergent 1% Teepol after 30 mins at 23°C Diesel fuel to F54 Petrol 100 Octane Sulphuric acid 1.25 SG.

All tests conducted are as specified in Raychem Specification RK 6636.

Specifications

Raychem Specification RK 6636.
Installation instructions available on request. - PIP 001
Material Safety Data Sheet available on request.

Installation

The RBK-MTS system, comprised of a processing unit and a control console, is recommended for installing RBK-MTS on 2 and 3 pole mini-timer connectors. A maximum of 4 connector seals may be installed at a time. Temperature, time and pressure are all controlled.

Raychem and RBK-MTS are trademarks of Raychem Interconnect, a division of Tyco Electronics Corporation.

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