

DERAY®-TSD Compact

The DERAY®-TSD Compact is a space-saving terminal sealing device with infrared heating elements designed to process heat shrink tubes onto terminals and splices.

The shrink device has an exchangeable frame and processes up to 20 terminals per cycle.

 Infrared



Features and Benefits

- 6 IR ceramic heating elements ensure uniform heat distribution
- PLC-controlled sequential movement of heating chambers in up to 5 pre-programmed positions allows to precise speed, position and shrink time
- RFID detectable assembly frames to ensure 100% accuracy in selection of process parameters
- Calibration status monitoring to maintain accurate hot set value
- Integrated core temperature measurement of the application
- Adjustable cooling system minimizes excessive flow of adhesive onto the terminal contact points
- Processing of up to 20 terminal applications per cycle, depending on the cable cross section
- Automatic collision protection to protect workers and prevent damage to applications
- Customized frames ensure sealing and insulation requirements for challenging applications
- Easy and quick exchanging of frames for minimal process interruption
- Processing heat shrink tubes with up to 80 mm length
- Automatic selection of process parameters via USB scanner or manually via touch panel
- Communication systems: RJ45, RFID, RS232, TCP/IP and OPC UA
- Additional USB port for data import/export ports and TC socket for Thermocouple
- Password protected programming mode
- Selection of system language: English, German, French (others on demand)
- CE and RoHs conformity

**3 heating zones
for consistent heat
distribution**

**PLC-Controlled
sequential
movement of
heating chambers**

Applications

Ring and eyelet terminals, tubular cable lugs, end splices

Application samples:



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Operation

The shrinking device DERAY®-TSD Compact has an exchangeable frame for the insertion of applications previously fitted with heat shrink tubing. After the frame has been loaded, the heating chamber moves forward to a predefined position. Three heating zones evenly heat the shrink tube. Following the shrinking process, a previously defined cooling time is activated to cool the applications.



Due to exchangeable frames, different application geometries can be processed.



RFID function automatically and reliably sets correct parameters when detecting an application frame.

Technical data

PROPERTY	
Electrical connection	1/N/PE AC 230 V 50-60 Hz
Electrical power consumption	2.0 kW
Rated current	8:00 AM
Electrical fuse protection at the owner	16 A
Degree of protection	IP 20
Power of IR-heating unit	6 x 150 W
Shrink temperature at the IR heater	300 °C - 500 °C (572 °F - 932 °F)
Ambient temperature	10 °C - 40 °C (50 °F - 104 °F)
Sound pressure level	approx. 50 dB(A)
Dimensions and weight	
Shrink equipment	w 610 x h 500 x d 740 mm (w 24 x h 19.6 x d 30 in) 70 kg (154 lbs)

Order information

DERAY®-TSD Compact

Heat-shrink products & sizes:

DSG-Canusa heat-shrink products

- DSG-Canusa heat shrink products with lengths of up to 80 mm
- DERAY®-SpliceMelt Caps: Sizes 1 to 3
- DERAY®-RKS: Sizes 1 to 3
- DERAY®-MGT 5 System

For other products and sizes contact DSG-Canusa Application Engineering.

Scope of delivery:

- Shrink equipment
- One custom configured frame
- Operating manual English, German (others on demand)

Accessories:

- Calibration sensor
- USB scanner
- Calibration frames
- Customized assembly frames
- RFID reading option

We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.

For further information, please contact:

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