



DERAY®-PSP 240-S

DESCRIPTION

The DERAY®-PSP 240-S shrinking machine is a semiautomatic unit designed to install and shrink splice sealing products with a maximum of 5 splices in one work operation onto ultrasonically welded or crimped splices. The maximum sum of nominal cable cross section per inserted splice is 15 mm².

The stand-alone workstation is designed for protecting splices assembled with DERAY®-SpliceMelt heat shrink tube or caps.

FEATURES AND BENEFITS

- IR ceramic heating elements rated for 10,000 hrs
- Application: Parallel & end splices
- Up to 5 splices per cycle
- Process optimization by using barcode scanners is possible
- Integration with customer's data system through RS232 on request
- Integration with customer's data system through TCP/IP and OPC UA on request
- Cooling system: Fan and/or compressed air
- Machine hours and cycle counter
- Piece counter
- Pneumatic protection cover
- Adjustable parameters: Shrink time, shrink temperature, cooling time
- Semiautomatic calibration
- CE and RoHS conformity



5

SPLICES PER CYCLE

from 6 sec.

ADJUSTABLE SHRINK TIME

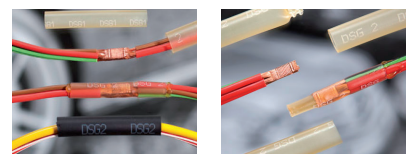
10 k hrs

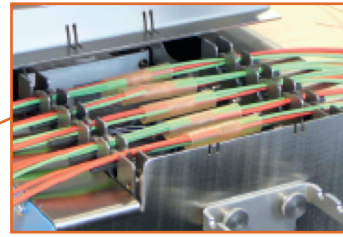
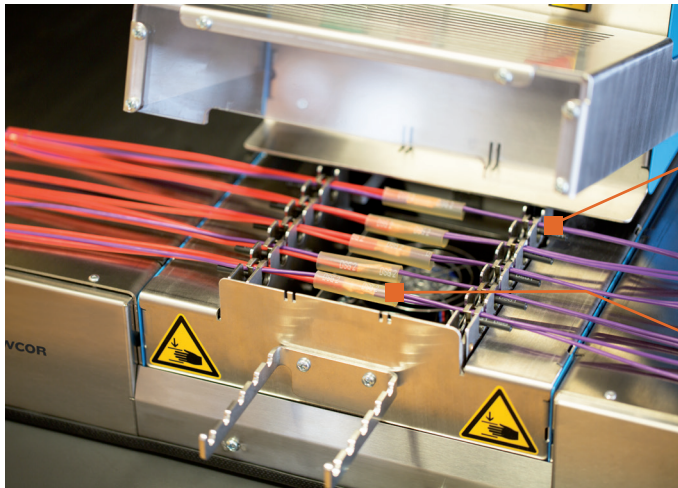
LONG LIFE HEATING ELEMENTS

APPLICATIONS:

Parallel splices, end splices

APPLICATION SAMPLE:





5-splice wire fixture

Parallel- and end
splices processable

OPERATION

The shrinking machine is equipped with one holder for manual insertion of up to 5 splices. Positioning aids make it easy to get the splices and heat shrink tubes positioned correctly. The shrinking process starts automatically by closing the safety hood. Once the safety hood has locked, the pneumatically driven object holder moves back into the machine's shrinking zone. The lower and upper IR heating elements start the heating procedure. After the shrinking procedure, the safety hood opens automatically. If preselected, fans or air cooling nozzles are activated and cool the shrink points. The cooling helps to ensure that the inserted splices are soon ready for further processing and quickly hardens the emerging adhesive.

ORDER INFORMATION

DERAY®-PSP 240-S

PRODUCTS / SIZES

- DERA-SP-SpliceMelt: Sizes 1 to 3, length max. 65 mm
- DERA-SP-SpliceMelt Cap: Sizes 1 to 2, length max. 50 mm

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

SCOPE OF DELIVERY

- Shrinking machine
- Control unit
- Operating manual (ENG, FR, PI, UA, RO, BG, DE)

ACCESSORIES

- Supporting surface to the left and right of the application holder
- Calibration sensor
- Barcode scanner

TECHNICAL DATA

PROPERTY	
Electrical connection	1/N/PE AC 230 V 50-60 Hz
Electrical power consumption	1.8 kW
Rated current	8 A
Electrical fuse protection	16 A
Degree of protection	IP 20
Pneumatic connection	5 - 8 bar (87 - 116 psi)
Shrink temperature at the IR heater	550 °C (1022 °F)
Ambient temperature	10 °C - 45 °C (50 °F - 113 °F)
Sound pressure level	ca. 60 dB(A)
Dimensions and weight	
Shrinking machine	w 255 x h 280 x d 600 mm w 10 x h 11 x d 23.6 in 25 kg (55.1 lbs)
Control unit	w 490 x h 270 x d 640 mm w 19.3 x h 10.6 x d 25.2 in 15 kg (33.1 lbs)

FOR FURTHER INFORMATION, PLEASE CONTACT:

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