

Tube Heater for "FuseConnect™" SH-8C And its related accessories

Application

- The SH-8C tube heater is required for use with Fujikura's *FuseConnect™* system
- The Power supply and mounting brackets are available in kits, for specific Fujikura Fusion splicers

Ordering Information

Splicer	Ordering code	Kit Contents
FSM-60S, FSM-60R FSM-18S FSM-18R	SH-8C-60	SH-8C.....Heater DCC-15....Power cord HP-10.....Hanger plate
Splicemate FSM-11S FSM-11R	SH-8C-11	SH-8C.....Heater DCC-17.....Power Cord
Splicemate FSM-11S FSM-11R (Battery use)	SH-8C-11B	SH-8C.....Heater DCC-17.....Power Cord BTA-03.....Battery Holder BTR-07.....Battery
FSM-50R FSM-17R FSM-17S-FH	SH-8C-50	SH-8C.....Heater DCC-15.....Power Cord HP-08.....Hanger Plate
FSM-30R FSM-16R	SH-8C-30	SH-8C.....Heater DCC-16.....Power Cord SPA-FC-01...Spacer HP-09.....Hanger Plate



Specifications and descriptions are subject to change without prior notice.

überreicht durch:

Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 Bargteheide

Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

E-Mail: Info@Opternus.de - www.Opternus.de

Büro Süd:

Wäldenbronner Str. 2
D-73732 Esslingen

Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

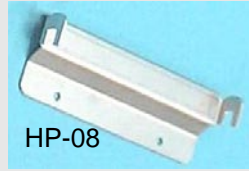
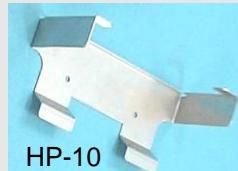
SH-8C Specifications

Applicable Fibre	3mm, 2mm Cord 0.9mm coated fibre
Nominal heating time	3mm , 2mm Cord,: 150 Sec 0.9mm Fibre : 250 Sec
Heating Adjustment time	10 Sec to 25 Sec
Fibre Tensioning	Apply 0.5N to fibre
Power	a) From Fujikura Splicers DC 12V by DCC-15/16/17
	b) Commercial Power AC100V ~240V, 50/60Hz By ADC-14 and ACC-XX
	c) Battery BTR-07 battery By BTA-03 and DCC-17
Dimensions	120W X 28D X116 H mm
Weight	400g



Accessories

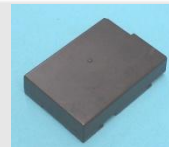
Hanger Plates



Power Cords



Battery Options (Splicemate)



Spacer



Specifications and descriptions are subject to change without prior notice.

überreicht durch:

Opternus

Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 Bargteheide

Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

E-Mail: Info@Opternus.de - www.Opternus.de

Büro Süd:

Wäldenbronner Str. 2
D-73732 Esslingen

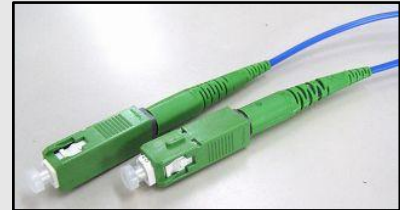
Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

Fujikura

Field Installable Connector *FuseConnect™*

FEATURES

- Fusion Spliced field installable connector.
- Low splice loss, high return loss, high reliability
- Applicable for 3mm, 2mm, 0.9mm fibres
- No termination/splice box required
- Telecordia Compliant
- Compatible with Fujikura Splicers *1



FuseConnect™ Product Specifications

Connector type	SC (TIA/EIA-604-3)
Applicable fibres	3mm fibre cord, 2mm fibre cord, 0.9mm coating fibre
Polish type	APC, UPC
Joint loss	<0.4 dB
Return loss	>65 dB / APC >55 dB / UPC
Tensile strength	66.6N or more

EASY ASSEMBLY



1) Remove Connector components



2) Prepare Fibre



3) Splice



4) Assemble Heat Shrink



5) Push fit housing to complete

*1 Compatibility(- Ribbon splicers - FSM-60S - FSM-18S -FSM-17S-FH)



Specifications and descriptions are subject to change without prior notice.

überreicht durch:



Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 Bargtheide

Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

E-Mail: Info@Opternus.de - www.Opternus.de

Büro Süd:

Wäldenbronner Str. 2
D-73732 Esslingen

Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

<i>FuseConnect™</i> Ordering Information				
Model (ordering code)	Connector type	Colour	Optical fibre	Sheath diameter
FUSECONNECT-SC-APC-30	SC-APC	Green	SM (G652)	3.0 mm
FUSECONNECT-SC-SM-30	SC-UPC	Blue	SM (G652)	3.0 mm
FUSECONNECT-SC-APC-20	SC-APC	Green	SM (G652)	2.0 mm
FUSECONNECT-SC-SM-30	SC-UPC	Blue	SM (G652)	2.0 mm
FUSECONNECT-SC-APC-09	SC-APC	Green	SM (G652)	0.9 mm
FUSECONNECT-SC-SM-09	SC-UPC	Blue	SM (G652)	0.9 mm

<i>FuseConnect™</i> Performance Tests			
Test Item	Test Procedure	Connector Loss	Return Loss
Thermal Ageing	85 Deg C, 168 Hours	<0.4dB	>65 dB APC >55dB UPC
Thermal Cycle	-40 to +75 Deg C, 10 cycles, 168 Hours		
Humidity Ageing	75 Deg C, 95% RH, 168 Hours		
Humidity/condensation cycling	-10 to 65 Deg C, 95% RH, 10cycles, 168 hours		
Post Condensation thermal cycling	-40 to +75 Deg C, 10 cycles 168 hours		
Flex test	8.81N, 100cycles before and after test		
Twist Test	13.2N, -900 deg to +900Deg, 9 cycles (before and after test)		
Proof Test, straight pull	6.6N (Before and After)		
Proof test:- 90Deg side pull	34.3N (before and after test)		
Transmission with applied tensile load	All ranges up to 19.6N 90 Deg, and 0 Deg		
Impact Test	8 Impacts from 1.5m against concrete (before and after)		
Vibration test	1.5mm 10-55Hz, 3 axis, before and after test		



Specifications and descriptions are subject to change without prior notice.

Fibre Handling Kit for "FuseConnect™"

Application

- Fibre handling kit is required for use with Fujikura's *FuseConnect™* system
- Available for 3mm and 2mm fibre cords, and 0.9mm coated fibre
- Clamps/holders colour coded for easy identification

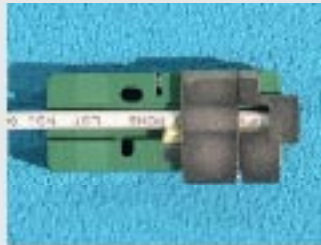
Ordering Code	Application	Kit contents	Colour Code
FC-30KIT	3mm Fibre Cord	3mm Fibre holder	Green
		3mm Fibre clamp	Green
		Fibre Transfer tool	NA
FC-20 KIT	2mm Fibre Cord	2mm Fibre holder	Blue
		3mm Fibre Clamp	Blue
		Fibre Transfer tool	NA
FC-09 KIT	0.9mm coating Fibre	0.9mm Fibre Holder	Black
		Fibre Transfer tool	NA
FC-ALL KIT	3mm Fibre Cord 2mm Fibre Cord 0.9mm Coated fibre	3mm Fibre holder	Green
		2mm fibre holder	Blue
		0.9mm Fibre Holder	Black
		3mm Fibre clamp	Green
		2mm Fibre clamp	Blue
		Fibre transfer tool	NA

Fiber clamp



Prevents fibre/jacket movement

Fiber holder



Required for placement on splicer

Fiber transfer device



Required to transfer the spliced assembly to the tube heater



Specifications and descriptions are subject to change without prior notice.

überreicht durch:



Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 Bargteheide

Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

E-Mail: Info@Opternus.de - www.Opternus.de

Büro Süd:

Wäldenbronner Str. 2
D-73732 Esslingen

Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

blanc page

Specifications and descriptions are subject to change without prior notice.

überreicht durch:

Opternus GmbH Optische Spleiss- & Messtechnik

Büro Süd:

The logo for Opternus, featuring the word "Opternus" in a bold, sans-serif font with a red underline that extends to the right.

Bahnhofstr. 5
D-22941 Bargteheide

Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

Wäldenbronner Str. 2
D-73732 Esslingen

Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

E-Mail: Info@Opternus.de - www.Opternus.de