



FIST-OC-G

FIST patching splitter tray

FIST is a Fiber Infrastructure System Technology.

The patching splitter tray, FIST-OC-G is a mechanical tray assembly for the FIST splitter and fiber management in a rack environment.

The patching splitter tray fits into a FIST-GPS2 sub-rack and houses one or more integrated splitter(s). It has the following functions and features

- Symmetric and asymmetric splitters available
- Variety of input/output configurations
- Connectorized in- and output ports
- Easy re-patching
- Fast installation
- Available with a wide variety of connector types

The splitter components are based on FBT (fused biconic tapered) technology for low split ratio's. For higher split ratio's, planar waveguide technology is used.

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FIST-GPST12 tray

Maximum capacity is 12 standard connectors and theoretically 24 small form factor connectors (sometimes limited due to fiber storage in the splitter module).

Splitter grade

- A** Grade A (FBT component) for output ports ≤ 8
- P** Grade P (planar component) for output ports ≥ 4
- O** Grade O (low loss planar component) for output ports ≥ 4

Number of integrated splitters

The maximum number of integrated splitters is for each configuration (connector size, splitter and splitter grade) indicated in the table underneath.

Splitter	Standard connectors		SFF connectors	
	grade A	grade P/O	grade A	grade P/O
1x2	max.4	-	max.6	-
2x2	max.3	-	max.4	-
1x3	max.2	-	max.2	-
1x4	max.2	max.2	max.2	max.4
2x4	max.2	max.2	max.2	max.4
1x6	max.1	-	max.1	-
1x8	max.1	max.1	max.1	max.2
2x8	max.1	max.1	max.1	max.2
1x16	-	-	-	max.1

SFF: small form factor connectors (LC)

Number of splitter inputs

- 1** 1x... splitter
- 2** 2x... splitter, only split ratio 50/50

Tray orientation

- RS** Connector array right, splitter module left
- LS** Connector array left, splitter module left
- RP** Connector array right, patch module left
- LP** Connector array left, patch module left

Connector type

Min. Return Loss	Connector type			
	SC	FC	E2000	LC
50 dB (UPC)	S1	F1		L1
60 dB (APC 8°)	S2	F2	E9	L2
60 dB (APC 9°)	S3			

Split ratio

00 Symmetrical	25 25/75 (*)
05 5/95 (*)	30 30/70 (*)
10 10/90 (*)	35 35/65 (*)
15 15/85 (*)	40 40/60 (*)
20 20/80 (*)	45 45/55 (*)

(*) only for 1x2 splitters

Number of outputs per splitter

	Splitter type	Split ratio	Port output
2	...x2 splitter	no limitation	cfr split ratio
3	...x3 splitter	00	33.3 %
4	...x4 splitter	00	25.0 %
6	...x6 splitter	00	16.7 %
8	...x8 splitter	00	12.5 %
G	...x16 splitter	00	6.25 %

Performance specification

Refer to the Tyco Electronics specification RUD 5257 (grade A) and RUD 5330 (grade P and O) for performance information. For a different technology for a certain split ratio, contact your local sales engineer.

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