

SCS interior partitions

SCS splitters 2/3/4/6/8

SCS splitters are used in SAT-IF coaxial distribution networks operating with DVB-S/S2 (QPSK, 8PSK) and/or in MATV applications with DTT (COFDM) or DAB signals.

All outputs of the splitters are directionally coupled to the input via diodes.

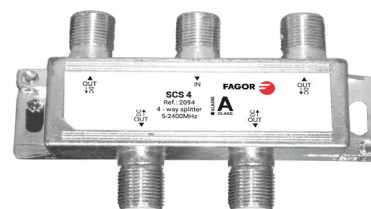
Zinc alloy housing with tin coating and a welded back plate for very high protection against interference.

FEATURES

- Specially designed for use in SAT-IF and MATV distribution networks.
- Frequency range from 5 MHz to 2.4 GHz.
- DC/AC current coupling of up to 24V/0.5A from all RF outputs to the input, directionally coupled via diodes.
- High shielding of 110 dB
- Class 3 return loss.
- F-type female connector.



SCS 2



SCS 4

MODEL		SCS 2	SCS 3	SCS 4	SCS 6	SCS 8
Reference		2092	2093	2094	2096	2098
Split type		2 outputs	3 outputs	4 outputs	6 outputs	8 outputs
Frequency range	unit	Typical				
IN-OUT insertion loss	dB 5–40 MHz	≤4.5	≤7.5	≤8.5	≤11.5	≤12
	dB 40–1000 MHz	≤4.8	≤8.2	≤9	≤12.5	≤13
	dB 1000–1750 MHz	≤5.5	≤9.5	≤10.5	≤14	≤15.5
	dB 1750–2150 MHz	≤6	≤10.5	≤11.5	≤16.5	≤17
	dB 2150–2400 MHz	≤6.5	≤11.5	≤12	≤17.5	≤18.5
IN-OUT return loss	dB 5–40 MHz	≤10.5	≥8	≥10	≥8	≥7.9
	dB 40–1000 MHz	≥11	≥11	≥11	≥9	≥9
	dB 1000–1750 MHz	≥10	≥10	≥10	≥10	≥10
	dB 1750–2150 MHz	≥10	≥10	≥10	≥10	≥10
	dB 2150–2400 MHz	≥10	≥10	≥10	≥10	≥10
OUT-OUT isolation	dB 5–40 MHz	≥18	≥20	≥20	≥20	≥20
	dB 40–1000 MHz	≥21	≥21	≥21	≥21	≥21
	dB 1000–1750 MHz	≥21	≥20	≥20	≥20	≥20
	dB 1750–2150 MHz	≥20	≥20	≥20	≥20	≥20
	dB 2150–2400 MHz	≥20	≥20	≥20	≥20	≥20
Current throughput (max. 24V/500mA)		Directionally coupled via diodes from all outputs to the input				
Operating temperature	°C	-30...+60				
Dimensions W x H x D	mm	85 x 53 x 19	85 x 53 x 19	85 x 53 x 19	121 x 68 x 19	118 x 48 x 16
Net weight	g	35	50	53	87	88