

power splitter - PS3-F1300 - fixed

Product Information

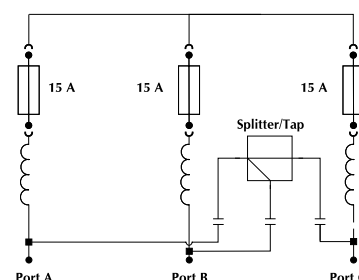
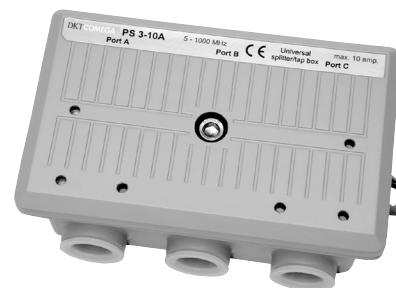
The introduction of DKT PS3-F1300 is our most recent addition to the highly successful series of DKT's power splitters serving networks all over Europe. The frequency range has now been enhanced to meet Dccsis 3.1 requirements.

With the DKT PS3-F1300 we have focused on designing the most compact and flexible 2-way splitter/directional coupler on the market fitting applications in Europe using street cabinets and underground cables. The compact size makes installation in even small street cabinets possible.

The electrical performance is in compliance with CENELEC's highest standards just as in the case with the other DKT products.

PS3-F1300 - fixed is produced to below specifications and as shown in the diagram to the right.

All Power Splitter models have spring-loaded terminals mounted on the PCB. So the PG11 adapter can be installed without dismounting the power splitter lid.



3-port Power Splitter

Type	Frequency Range	PS3-F1300-02	PS3-F1300-1-7	PS3-F1300-1-11	PS3-F1300-1-16
Description		2-way splitter	1-way tap 7dB	1-way tap 11dB	1-way tap 16dB
Item no.		40621	40622	40623	40624
Insertion Loss (IN-OUT) (dB)	5 - 470 MHz	4.0 ± 0.7	3.0 ± 0.7	1.6 ± 0.6	1.1 ± 0.6
	470 - 1006 MHz	4.1 ± 0.8	3.3 ± 0.8	1.7 ± 0.8	1.2 ± 0.7
	1006 - 1300 MHz	4.7 ± 1.0	4.3 ± 1.0	2.9 ± 0.9	2.1 ± 0.8
Tap Loss (IN-TAP) (dB)	5 - 1300 MHz	-	7.8 ± 1.3	10.5 ± 1.0	16.5 ± 1.0
Isolation (OUT-TAP) (dB)	5 - 10 MHz	≥ 20	≥ 21	≥ 23	≥ 25
	10 - 470 MHz	≥ 25	≥ 22	≥ 23	≥ 24
	470 - 1006 MHz	≥ 21	≥ 20	≥ 21	≥ 23
	1006 - 1300 MHz	≥ 20	≥ 20	≥ 20	≥ 22
Return Loss (dB)	5 - 10 MHz	≥ 16			
	10 - 1300 MHz	Grade 2 ¹			
Housing		Aluminium with anti corrosive painting			
Connectors		PG11 female - optional 5/8" - spring loaded clamp			
Power Passing		Max. 10A			
Hum Modulation (64V, 6A)		< - 70 dB			
Group Delay (Δf 2 MHz)	7 - 10 MHz	< 12 ns			
	10 - 25 MHz	< 3 ns			
	25 - 1300 MHz	< 1.5 ns			
Screening Effectiveness		Class A ²			
Operating Temperature		-20 to +60 °C			
Dimensions (mm)		150 x 90 x 55			
Weight (kg)		0.5			

¹ Return Loss: EN60728-4 Grade 2
10-47 MHz ≥ 18 dB
47-1300 MHz min. 18 dB $\div 1.5/\text{oct.}$

² Screening Effectiveness:
EN60728-2 Class A
5-300 MHz ≥ 85 dB, 300-470 MHz ≥ 80 dB
470-950 MHz ≥ 75 dB, 950-1300 MHz ≥ 65 dB