

GNSSoF

Power supply, DC to DC, GNSS over fiber, 2 power IN, 2 power OUT

Direct GPSoF DC/DC Converter

Properties

- 18-75VDC to 12VDC converter designed to power HUBER+SUHNER GPS-over-Fiber and Direct GPS-over-Fiber.
- Allows for stable power infrastructure of up to two GPS-over Fiber products.
- 2 input ports for redundancy support



General data	
Product family	GNSSoF auxiliary tools
Suitable Products	GPSoF16-2 (RX) 85145447
	Direct GPSoF - MAC8-1 (RX) 85128283
	GPSoF Amp Expansion Module 32 85128404
Safety standard	UL62368-1 2nd edition
Electrical data	
Supply voltage range	18 V DC ... 75 V DC
Supply voltage typical	48 V DC
Input current maximal	0.8 A
Input inrush current	20 A
Efficiency	90 %
Number of input ports	2
Rated power	30 A
Ripple & noise mVp-p 60	60 mVp-p
Voltage tolerance	± 2 %
Line regulation	± 0.3 %
Load regulation	± 0.3 %
Setup rise time	120 ms, 85 ms at full load
Number of output ports	2
Mechanical data	
Weight	1.01 kg
Dimensions (LxWxH)	285mm x 430mm x 44mm
Housing material	Aluminium
Input interface	Screw terminal connector
Output interface	Cable 2m + 3 pole connector included
Cables	2 pices2m (3x 0.75mm ²)

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Environmental data	
Storage temperature	-40 °C ... 85 °C
Operation case temperature	-40 °C ... 55 °C
Humidity receiver in % max	5 - 95 %
Temperature coefficient	±0.03%/°C (0-50°C)

Mechanical interface		
	Input- 48 VDC IN 1 & 48 VDC IN 2	Ouput- 12 VDC OUT 1 & 12 VDC OUT 1
Interface Description	Screw terminal connector	3 Pole connector socket

Technical drawing

Front view



Back view



12VDC Power cable



Scope of delivery	
Scope of delivery	2x pieces 2m (3x 0.75mm^2) 3 pole connector assembly

Ordering Information Table	
Item number	Item description
85152769	Direct GPSoF DC/DC Converter

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Additional Information

Not included:

4x 19" Rack mounting screws

18 AWG conductor -48VDC connection

Protective earth conductor and matching closed-loop crimp termina

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