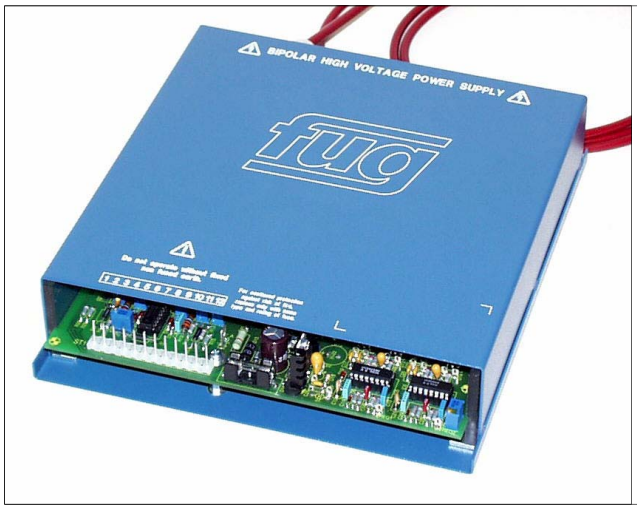
Type:

Bipolare High Voltage Module
HCM 7,5M-30000



Pin configuration
1) Current monitor, 0-10 V = 0-100%
2) Supply voltage +24 V DC
3) Voltage monitor, 0-10 V = 0-100%
4) n.c.
5) n.c.
6) n.c.
7) Voltage set point, 0-10 V = 0-100%
8) Polarity setting, 0 V = pos. / +24 V = neg.
9) 0V reference
10) 0V supply
11) n.c.
12) Polarity status signal, 0 V = pos. / +24 V = neg.

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Low and High Voltage Power Supplies

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Features:

Two modes possible

1) Unipolare operation with 0 ... 10V analogue voltage setting, polarity change by applying 24V signal

2) On request: Bipolare operation with -10 V ... 0 V ... +10 V analogue voltage setting, continuous zero crossing

External Control:

Analogue programming	
for output voltage:	0 - 10 V
Monitor outputs:	
for output voltage and current:	0 - 10 V
Polarity reversal:	+24 V

Technical Data:

Supply voltage:	24 V ±10%, DC
Output	
Voltage:	0 - ±30 kV; short circuit and flashover proof
Current:	max. ±0,25 mA
Power:	max. 7,5 W
Regulation deviation:	$<\pm 1 \times 10^{-5}$ at ±1V variation of mains voltage
	$<\pm 1 \times 10^{-5}$ at load change from 10% to 100% (at nominal voltage)
Voltage stability:	typ. $<\pm 1 \times 10^{-5}$/ h of nominal value
	typ. $<\pm 2 \times 10^{-5}$/ 8h of nominal value
Tc:	$<\pm 2{,}5 \times 10^{-5}$ / K
Residual ripple:	$<1 \times 10^{-5}$ of nominal value p.- p.
Environment temperature:	0 to 50°C
Storage temperature:	-35°C to +85°C

Design:

Case:	Steel sheet case 240x218x52 mm
Weight:	3,2 kg
Connectors:	
High voltage:	fix mounted coaxial cable, 1m
remaining connectors:	12pole connector strip

Application:

All applications witch require high stability and low ripple.

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