

Unit 111, Dunston Innovation Centre Chesterfield, S41 8NG, U.K.

T e I: + 44 (0) 1246 452909 F a x: + 44 (0) 1246 452942 W e b: w w w . e t p s . c o . u k Email: sales@etps.co.uk Sales: 0800 612 95 75

EHS 8-FO

8 or 16 Channel HV Modules

Description

This range of 8 or 16 channel common GND HV modules offer a compact (6U x 8HP) solution for HV systems. The modules are simple to setup with front panel mounted potentiometer to set the voltage limit and current trip point for all channels simultaneously. The units offer high resolution for both setting a measuring of the voltage and current. All channels Can be fully controlled via the potential free CAN interfaces. The EDCP protocol includes flexible group & event handling (e.g. Time delayed trip processing). Protection includes safety loop & optional INHIBIT per channel. Up to 8 units can be fitted into either the ECH 228 or 238 19" crate (voltage between module GND & PE = 25V).



- Other voltage & current combinations on request
- Each channel controllable via interface
- 8 or 16 channels with common GND
- Low ripple & noise (<5mV_{p-p} upto 4kV)
- Very compact (6U x 8HP)

Selection Table

Part Number	Output Voltage	Output Current	Number of Channels
EHS 80-05x-156	0 - 500V	0 - 15mA	8 Channels
EHS F0-05x-106	0 - 500V	0 - 10mA	16 Channels
EHS 80-10x-805	0 - 1kV	0 - 8mA	8 Channels
EHS F0-10x-605	0 - 1kV	0 - 6mA	16 Channels
EHS 80-20x-405	0 - 2kV	0 - 4mA	8 Channels
EHS F0-20x-305	0 - 2kV	0 - 3mA	16 Channels
EHS 80-30x-305	0 - 3kV	0 - 3mA	8 Channels
EHS F0-30x-205	0 - 3kV	0 - 2mA	16 Channels
EHS 80-40x-205	0 - 4kV	0 - 2mA	8 Channels
EHS F0-40x-155	0 - 4kV	0 - 1.5mA	16 Channels
EHS 80-60x-105	0 - 6kV	0 - 1mA	8 Channels
EHS 80-xx	On Request	On Request	8 Channels
EHS FO-xx	On Request	On Request	16 Channels





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Technical Data

Power requirements......+24V (< 3.5A/6A) and +5V (<200/400mA)

HV connector......51 pin Redel HV connector (option SHV connectors)

Mechanical construction.....8/16 channels in 6U x 8HP cassette (40.3mm)

Options Table

Code	Description
/ECH 228	SHV connectors in place of Redel connectorUnit placed in 8 slot mainframe (see below for details)Unit placed in 8 slot mainframe (see below for details)

19" Mainframes

Туре	Slots	Power	Dimensions (H x W x D)
ECH 228	8	700W	6U - ½ 19" - 450mm
ECH 238	8	700W	6U - 19" - 450mm







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