# HELIOS
## POWER SOLUTIONS

# CXC HP HV-ADIO
### CXC HP Smart Peripheral



The CXC HP HV-ADIO brings advanced control and monitoring to Alpha Cordex 125/220Vdc rectifiers and systems. The HV-ADIO is part of the CXC HP series of advanced I/O peripheral incorporating flexible mounting, high accuracy, and the advanced features in the HP control platform.

The HV-ADIO provides a variety of analog inputs, digital inputs and high voltage rated relay outputs. The ADIO device is seamlessly recognized by the CXC HP control platform which also provides advanced setup wizards to create high voltage DC systems using Cordex rectifiers.

An integrated Ground Fault Detection (GFD) circuit is also provided to enable visibility to earth leakage currents. This feature can be easily disabled for operators who wish to use 3rd party GFD devices.

Cordex CXC HP controllers and ADIO peripherals ensure effortless operation and management capability to satisfy the most demanding and advanced energy system applications.

+ CXC HP series ADIO peripheral with flexible rack, panel, and DIN mounting options

+ Enables High Voltage (125/220Vdc) system support using the advanced CXC HP Control platform

+ I/O expansion via CAN bus for advanced site monitoring applications, including support for future growth

+ Integrated Ground Fault Detection (GFD) to alarm system fault conditions

+ On board DC-DC converter permits use with standard CXC HP low voltage controllers

## THE SOL SERIES

# CXC HP HV-ADIO
# Smart Peripheral

## ELECTRICAL
• Input voltage:.................90 to 300Vdc
• Input power:...................50W (125Vdc 0.4A;
　　　　　　　　　　　　220Vdc 0.2A)
• Output power:...............30Vdc; Max 1A, 30W
　　　　　　　　　　　　(For feeding low voltage
　　　　　　　　　　　　CXC HP controller)
• DCCT power:...................±15Vdc

## FEATURES
Local alarms:.........................Power ON (Blue)
　　　　　　　　　　　　Communications OK (Green)
Communication ports:........CAN In/Out (RJ12 Offset)
Ground fault detection:......1 user configurable
　　　　　　　　　　　　(Adjustable up to 15mA)
　　　　　　　　　　　　on V2 input channel
Controller I/O:
　　Voltage inputs:................2 (±300Vdc)
　　Current shunt inputs:.....1 (25 to 200mV)
　　DCCT current inputs:......2 (±10Vdc signal)
　　Temperature inputs:...... 2
　　Digital inputs:..................4 (Contact closure
　　　　　　　　　　　　detect-5Vdc Max)
　　Relay outputs:...................6 (Form C, 220Vdc 50W max)

## Mechanical
Mounting:..............CXC HP 3U rack panel mount
　　　　　　　　　　(0180046) or DIN/Panel mounting
Dimensions:
　　mm:.....................198H x 84W x 38D
　　inches:.................7.8H x 3.3W x 1.5D
Weight:...................1kg (2lb)

## Environmental
　　Temperature:..-40 to +65°C (-40 to 149°F)
　　Humidity:......... 0 to 95% RH non-condensing
Elevation:................-500 to +4000m (-1640 to 13124ft)

## Agency Compliance
Safety:......................CSA C22.2 No 60950-1
　　　　　　　　　　CE Marked
EMC:........................ ETSI 300 386
Emissions:..............CFR47 (FCC) Part 15 Class B
　　　　　　　　　　ICES-03 Class B
　　　　　　　　　　EN55022 (CISPR 22) Class B
Immunity:..............EN 61000-4-2
　　　　　　　　　　EN 61000-4-3
　　　　　　　　　　EN 61000-4-4
　　　　　　　　　　EN 61000-4-5
　　　　　　　　　　EN 61000-4-6