Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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E-T-A®
ENGINEERING TECHNOLOGY

DC Disconnect Type PVDIS-…

Reliable Disconnection of Photovoltaic Systems

Technical Information
DC Disconnect Type PVDIS-…

It is a general fact that there is a growing demand for high-capacity DC disconnects as referred to in standards applicable to photovoltaic systems. In addition it was our goal to allow reliable physical isolation of even DC 1,000 V in a very compact design.

The new E-T-A DC Disconnect PVDIS meets the challenge. It features hybrid technology and is the first E-T-A product which has explicitly been designed for the photovoltaic market and its typical DC applications. Its enclosure is track-mountable and ideally suited for installation in distribution boxes.

The electronic control unit will interrupt the circuit, the mechanical part ensures single or double pole physical isolation, making this technology also suitable for both grounded and ungrounded systems. In addition the hybrid function allows reliable disconnection also in the event of low currents and ensures a low-wear contact system. The hybrid functional principle does not require any additional power supply for the electronic unit.

The modular design allows other versions and variants such as remote control, firefighter switch and/or arc fault detection as well as status indication. It is also possible to use the product in inverters by means of a modified enclosure or a modified mounting method – please enquire. Start of series production is scheduled for the second quarter 2011.

Technical data

Rated operational voltage	max. DC 1,000 V
Rated operational current	max. 30 A
Ambient temperature	-30 °C...+60 °C
Tested in accordance with	IEC/EN 60947-3
Fail-safe function	integral
Dimensions	99 x 90 x max. 92.5 mm

DC Disconnection PVDIS-… for photovoltaic systems.

Features and benefits

- Explicitly designed for the photovoltaic market and its requirements
- Double pole DC Disconnect
- Screw terminals for cable cross sections up to max. 16 mm² for PV+ and PV-
- Design in accordance with DIN 43880 for rail mounting
- Lock-out feature in OFF position
- Also available as DC Disconnect with remote control, firefighter switch and arc fault detection

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