## **BOURNS®**Design Kit Release

TISP® THYRISTOR SURGE PROTECTORS

## Bourns Releases New PortNote® Solution and Design Kit for Protecting 12 V and 5 V Ports

Riverside, California - May 3, 2016 - Bourns is pleased to announce the release of the 12 V and 5 V Power Port Protection PortNote® Solution and Design Kit.

IEC 60335-1 (Safety Household Appliances) clause 19.11.1 as well as IEC 60730-1 clause H.27.1 (Automatic Controls) both define low power circuits and abnormal operations for fault conditions. This PortNote® Solution describes a solution to the problem of overheating during short circuit testing of low power circuits with 12 V and 5 V ports. The solution consists of the use of Bourns® Model TISP4 Series Thyristors with breakover voltages of 25 V and 15 V, respectively.

The new PortNote® Solution and Design Kit are available on the Bourns website at www.bourns.com.

	PORTNOTE*	12 V & 5 V Power		
0.11.1 trols) ons for solution ting of	Solution Products THOMOGRAPHICA THOMOGRAPHICA THE WASHINGTON	Objective Power supply safety testing in consumer applications is simplified if circuits are split into sub-circuits of 15 W. Also power circuit is defined by IEC 60335-1 and IEC 60730-1 as such when it generates a maximum of 15 W between its input and output ports. Under abnormal conditions used as an overload, the temperature rise cannot exceed those in table 3 of IEC 60335. For example, Class B transformer windings may not overhead by more than 55° C The were controlled to the series of the seri	Solution  1 Single Bidirectional Disprison Surger Protection: The WORDSHINGS or 1 Single Bidirectional Thyriton Surge Protection: The WORDSHINGS OCCUMPATION  1 Single Bidirectional Thyriton Surger Protection: The WORDSHINGS  11 Compliance*  11 Compliance* 11 Compliance* 11 Compliance* 12 Compliance* 12 Compliance* 12 The WordsHINGS  8 Benefit  Liely designer pass about circuit test power supply small format (SMI) package)	
PORTNOTE		DesignKit	"model TRF-leasTHERE 6 helps common when the SEC SEEL and Earth by Various was a promising the date of the SEE helps common to the second seco	
	OVENE	781-5700 recoms 886-2 256 241 17 For mc Fix +886-2 256 241 16 WWW.	**PortNote* solutions provide protection mendations for typical port threats are information, go to: bourns.com	

PortNote® So	lution	Design Kit	Components Included	Quantity
12 V and 5 V Power Port Protection	Power	DN DECICNIVIT ES	TISP4025H1BJR-S	5
	tion	PN-DESIGNKIT-52	TISP4015H1BJR-S	5