

Application Solution Guide

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	Overcurrent Circuit Protection					Overvoltage Circuit Protection			Hybrid Protection	
	PolySwitch Devices	Slow-Blow Chip Fuses	Fast-Acting Chip Fuses	High-Current-Rated Chip Fuses	Telecom Fuses	GDT	ESD	SESD	2Pro Devices	PolyZen Devices
AUTOMOTIVE ELECTRONICS										
Electronic control modules	x	x	x				x	x		
HVAC and climate control	x	x	x							
Junction boxes and wire harnesses	x									
Lamp protection	x									
DC Motor protection	x									
Power outlet protection	x									
Powered antennae	x									
Telematics powered components	x	x	x				x	x		x
Infotainment and navigation systems	x	x	x				x	x		x
Chargeable devices	x	x	x				x	x		x

COMMUNICATIONS

Analog and digital linecards	x	x	x			x			x	
Central office equipment, linecards	x	x	x			x	x	x		
LAN, WAN equipment	x	x	x		x	x	x	x		x
MDF modules	x					x			x	
PBX, key telephone systems	x		x			x	x	x	x	
PoE (Power over Ethernet) systems	x	x				x	x	x		
Set-top boxes (cable & satellite)	x	x	x			x	x	x	x	x
Telephone, fax, modem	x	x	x		x	x	x	x	x	x
VoIP (Voice over Internet Protocol) equipment	x	x	x			x	x	x	x	
xDSL modems and splitters	x	x	x		x	x	x	x		x
Servers	x		x	x		x	x	x	x	x
Power supplies	x			x		x				
Voltage regulator modules (VRMs)	x			x						

CONSUMER ELECTRONICS

HDDs (Hard Disk Drives)	x	x					x	x		x
IEEE 1394 ports	x		x				x	x		
Inverters		x								
Controller boards			x							
USB 2.0/3.0 & IEEE	x						x	x		x
USB flash memory modules	x						x	x		
USB hub, ports and peripherals	x						x	x		x
Video ports: HDMI, DVI, VGA	x		x				x	x		
LED backlighting	x	x	x				x	x		

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PORTABLE ELECTRONICS										
Audio MP3 players	x		x				x	x		x
Battery packs	x	x	x				x	x		
Cell Phones and PDAs	x		x				x	x		x
Digital still / video cameras	x		x				x	x		x
Portable game devices	x		x				x	x		x

INDUSTRIAL ELECTRONICS

Displays	x	x	x				x	x		
Industrial controls-RS485, RS232	x	x	x			x	x	x		
Security systems	x	x	x			x	x	x	x	x
Surge suppression	x					x			x	
UPS (Uninterruptible Power Supply)	x	x	x			x				

APPLIANCES AND HVAC

Electronic PCB's and controllers	x	x	x				x	x	x	
Motor and compressor winding protection	x									
Power tools			x	x						
Transformer protection	x								x	

LED LIGHTING

Indoor Lighting	x	x	x				x	x	x	x
Outdoor/Street/Signal/Stadium Lighting	x	x	x			x	x	x		x
Table Lamp/Portable Lighting	x	x	x				x	x		x

MEDICAL ELECTRONICS

Digital surface thermometers							x	x		
Blood glucose monitors	x						x	x		x
Blood pressure monitors	x	x	x				x	x		x
Automated external defibrillator (AED)	x					x	x	x		
Infra-red ear thermometers							x	x		
Electrocardiograms	x	x	x				x	x		x
Magnetic resonance imaging	x	x	x				x	x		
Ultrasound devices	x	x	x				x	x		x
Pulse oximeters	x						x	x		
Patient monitors	x	x	x			x	x	x		x

