



Performance Specifications

- Surge Capacities (L-N, L-G, N-G) 150kA/phase 200kA/phase
- UL 1449 Third Edition Listed, UL 1283 R/C and cUL
- UL 1449-3 Type 1 SPD (cUL Type 2 optional)
- UL 1449-3 tested Inominal: 20kA & 10kA
- UL 1449-3 tested SCCR: 200kA & 100kA
- UL 1449-3 Voltage Protection Ratings (VPRs):
 - 208Y/120V: as low as 600V
 - 480Y/277V: as low as 1000V (data table on back)
- · Less than 1 nanosecond response time
- Repetitive Impulse: 5,000 hits
- AC Sinewave Tracking Filter with EMI/RFI Filtering up to -50dB from 10kHz to 100MHz

Physical Specifications

- Relative Humidity Range: 0 -95% non-condensing
- Operating Frequency: 47-63Hz
- Operating Temperature: -25°C (-15°F) to +60°C (140°F)
- Weight: 5 lbs (2.3 kg)
- NEMA 4X Polycarbonate enclosure UL 746C(f1) & UL 94-5VA
- Dimensions: 6" x 6" x 4" (152mm x 152mm x 102mm) (excluding removable mounting feet)
- Lug size: #8 #10 AWG
- Typical connection: #8 AWG and 40A breaker

Features:

- UL 1449 Third Edition Listed
- Type 1 SPD
 - All UL required OCP & Safety Coordination included inside
 - Can be installed line-side or load-side of main disconnect
- 20kA Inominal (most models)
- 200kA SCCRs (most models)
- UL 96A Lightning Protection Master Label compliant (@20kA I,)
- Voltage Specific Design Highly configurable
- · All MOV suppression elements monitored

Design Features

- · Designed, Manufactured & Tested consistent with:
 - ANSI/IEEE C62.41.1-2002, C62.41.2-2002, and C62.45-2002

TEXDS Series

- NEMA LS-1
- NEC Article 285
- _ IEC 61643, CE
- High Energy Parallel Design for Category C3 applications, the highest exposure to surge activity
- · For External Mounting next to Switchgear, Motor Controls Centers or Panelboards
- Individually Fused & Thermally Protected MOVs
- Large-Block 34mm square MOVs
- · Solid State Bidirectional Operation

Diagnostic Monitoring:

- · 100% monitoring Every MOV is monitored, incl. N-G
- · Green LED Status indicator per phase
- · Red LED service indicator
- Phase Loss monitoring (toggles LED & dry contact)
- · Electrically isolated circuitry ensures surges do not damage diagnostics
- Optional: Audible Alarm & Form C Dry Contact (Contact rated 240V, 5A)

Quality, Standards & Validation:

- UL 1449 Third Edition, cUL, UL 1283 R/C
- UL file: VZCA.E321351 at www.UL.com
- · RoHS-compliant
- IEC 61643, CE
- 10 year warranty
- · Burn-In tested Prior to Shipment
- ISO 9001:2000 Quality Management System
- ISO 17025:2005 Laboratory Qualification
- Made in USA

PQ GLOBAL 7940 Silverton Ave Suite 105 San Diego, CA, 92126 Tel: 1-858-271-5996 · Fax: 1-858-271-5995 www.pqglobal.com · info@pqglobal.com



TEXDS Model Number Configura	ator & Option	5					
TE <u>0</u>	2 XDS	<u> </u>	4X	Α	Μ		
Voltage Code for Electrical System	Su	rge Current Ra	ting Opt	tions			
Common North American Systems: 01 = 240/120V Split Phase - 1Ø $3W+Grnd$ (Fig 1) 02 = 208Y/120V Wye - $3Ø$ $4W+Grnd$ (Fig 2) 03 = 240/120V High Leg Delta (B High) (Fig 3) 04 = 480Y/277V Wye - $3Ø$ $4W+Grnd$ (Fig 2) 05 = 480V Delta - $3Ø$ $3W+Grnd$ (Fig 4) & HRG Wye 08 = 600Y/347V Wye - $3Ø$ $4W+Grnd$ (Fig 2) Other Available Systems - Confirmation encouraged: 15 = 254/127V Split Phase - $1Ø$ $3W+Grnd$ (Fig 1) 18 = 480/240V Split Phase, or Two legs of Wye (Call) 21 = 220Y/127V Wye - $3Ø$ $4W+Grnd$ (Fig 2) 41 = 520Y/300V Wye - $3Ø$ $4W+Grnd$ (Fig 2) 42 = 415Y/240V Wye - $3Ø$ $4W+Grnd$ (Fig 2) 43 = 400Y/230V Wye - $3Ø$ $4W+Grnd$ (Fig 2) 44 = 440Y/250V Wye - $3Ø$ $4W+Grnd$ (Fig 2) 51 = 480V B Corner Grnd Delta, $3Ø$ $3W+Grnd$ (Fig 6) 06 = 240V Delta - $3Ø$ $3W+Grnd$ (Fig 2) 61 = 240V B Corner Grnd Delta, $3Ø$ $3W+Grnd$ (Fig 6) 07 = $380Y/220V$ Wye - $3Ø$ $4W+Grnd$ (Fig 2)		15 = 150kA/Phase 20 = 200kA/Phase		 A = Audible Alarm & Dry Contacts Two Sets, Form C, 240V, 5A Type 2 SPD Bearing UL Mark Delete Options - Consult Factory for Order Code Delete L-N Protection (reduces kA rating) 			
		closure Rating = NEMA 4X Nor	E Ava KIT RM	Delete L-G Protection (reduces kA rating) Delete N-G Protection (reduces kA rating) Delete Noise Filtering Available Accessory (order separately) KITFMXF = Flush Mount Kit RM = Remote Monitor			
 09 = 600V Delta - 3Ø 3W+Grnd (Fig 4) & HRG (Available: 100kA) 91 = 600V B Corner Grnd Delta, 3Ø 3W+Grnd (Available: 100kA) 11 = 120V Single Phase (Fig 5) 12 = 240V Single Phase (Fig 5) - Not split phase 13 = 127V Single Phase (Fig 5) 14 = 300V Single Phase (Fig 5) 16 = 277V Single Phase (Fig 5) 17 = 480V Single Phase (1 Hot, 1 Neu, 1 Grnd 	(Fig 6) se						

Figure 1	Figure 2	Figure 3	Figure 4	Figure 5	Figure 6	
Hot (BLK) Neutral (WHT) Hot (BLK) Ground (GRN)	Phase A (BLK) A B Phase B (BLK) Neutral (WHT) V Phase C (BLK) C Ground (GRN)	Phase A (BLK) Phase B (ORNG) Phase C (BLK) Neutral (WHT) Ground (GRN)	Phase A (BLK) Phase B (BLK) Phase C (BLK) Ground (GRN)	Hot (BLK) V Neutral (WHT) Ground (GRN)	Phase A (BLK) Phase C (BLK) Ground (GRN)	
SPLIT 2 Hots, 1 Neu, 1 Grnd	WYE 3 Hots, 1 Neu, 1 Gmd	HI-LEG DELTA (B High) 3 Hots, (B HIGH), 1 Neu, 1 Grnd	DELTA & HRG Wye 3 Hots, 1 Gmd	SINGLE POLE 1 Hot, 1 Neu, 1 Gmd	CORNER GROUND DELTA (B grounded) 3 Hots, 1 Grnd	

Performance Data

Common Voltages	UL 1449 THIRD Edition (Sept 2009) Test Data Voltage Protection Ratings (VPR - 3kA)								
-	L-N	L-G	N-G	L-L	Туре	In	SCCR	MCOV	
01 = 240/120V Split Phase	700	700	600	1000	Type 1	20kA	100kA	150	
02 = 208Y/120V 3Ø Wye	700	700	600	1000	Type 1	20kA	200kA	150	
03 = 240Y/120V B High Leg Delta	700/1200	700/1200	600	1000/2000	Type 1	20kA	200kA	150 / 320	
04 = 480Y/277V 3Ø Wye	1200	1200	1200	2000	Type 1	20kA	200kA	320	
07 = 380Y/220V Wye	1200	1200	1200	2000	Type 1	20kA	200kA	320	
21 = 220Y/127V Wye	700	1500	700	1200	Type 1	20kA	200kA	180	

Other Available Systems:

Please see supplementary data sheet, contact us at info@pgglobal.com, or confirm at www.UL.com using CCN of VZCA

PQ Global 7940 Silverton Ave Suite 105 San Diego, CA, 92126 Tel: 1-858-271-5996 · Fax: 1-858-271-5995 www.pqglobal.com · info@pqglobal.com

