

PROTECTOR TRIP RELAYS CROMPTON INSTRUMENTS

KEY FEATURES

- Phase Loss, Reversal or Sequence
- Under and Over Current or Voltage Protection
- Load Detection
- Monitoring of Systems

TE Connectivity's (TE) Crompton Instruments Protectors provide continuous surveillance of the monitored circuit. When the current moves outside the set point limit, the relay operates. An illuminated LED indicates when the relay is energized. For 3 phase systems, the sequence of connection is not important.

Standard over current relays will energize on trip when the nominal input current plus the user adjustable "over nominal value" is exceeded, after the preset additional delay period if set. The relay will automatically reset to de-energize when the input current is lowered past the set point minus the hysteresis (differential) value.

Standard undercurrent relays will de-energize on trip when the input current is below the nominal value minus the user adjustable "under nominal value" after the preset additional delay period if set. The relay will automatically reset to energize when the input current is raised past the set point plus the hysteresis value.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.







ORDERING INFORMATION						
Part number	System	Input	Protection			
Phase Sequence & Phase Failure						
252-PVRU-PQBX-C6	3 Phase 3 or 4 Wire	120V L-L 60 Hz	Phase Sequence, Under Voltage			
Phase Balance						
252-PSFU-PQBX-C6	3 Phase 3 or 4 Wire	120V L-L 60 Hz	Phase Loss & Unbalance			
252-PSFU-SEBX-C6	3 Phase 3 or 4 Wire	480V L-L 60 Hz	Phase Loss & Unbalance			
252-PSGU-PQBX-C6-T1-1A	3 Phase 3 or 4 Wire	120V L-L 60 Hz	Phase Loss, Unbalance, Under Voltage			
252-PSGU-SEBX-C6-T1-1A	3 Phase 3 or 4 Wire	480V L-L 60 Hz	Phase Loss, Unbalance, Under Voltage			
Reverse Power						
256-PASU-LSBX-PQ-C6-EA	1 ph or 3 ph, 4w	5A, 120V, 60 Hz	Reverse Power 2-20%			
256-PATU-LSBX-PQ-C6-EA	3 Phase, 3 Wire	5A, 120V, 60 Hz	Reverse Power 2-20%			
256-PAQU-LSBX-PQ-C6-EA	1 ph or 3 ph, 4w, Push	5A, 120V, 60 Hz	Reverse Power 2-20%			
256-PARU-LSBX-PQ-C6-EA	3 ph 3w Push	5A, 120V, 60 Hz	Reverse Power 2-20%			
Part number	System	Input	Protection	BUS		
Synchro-Check (Paralleling)						
256-PLLU-PQBX-C6	1ph or 3ph, 3w or 4w	120V/60 Hz	Phase Angle & Voltage	Live BUS		
256-PLDU-PQBX-C6	1ph or 3ph, 3w or 4w	120V/60 Hz	Phase Angle & Voltage	Dead BUS		
DC Voltage Relay						
252-PDUU-NABX-T1-EB	DC Relay	18-20V*	Under Voltage External Time Delay	N/A		
252-PDEU-NABX-EB	DC Relay	18-20V*	Under Voltage Differential 1-15%	N/A		
253-PDCU-BDBX-T1-EC-BD	DC Relay	24V	Over & Under Voltage (2 relays)	N/A		
Part number	System	Input	Protection	Aux Power		
DC Millivolts/Thermocouple						
252-PBTU-ECBX-DG-T1-EA	DC Millivolt	50 mV	High Trip	120V		
252-PBSU-ECBX-DG-T1-EA	DC Millivolt	50 mV	Low Trip	120V		
252-PBTU-GBBX-DG-T1-EA	DC Millivolt	100 mV	High Trip	120V		
252-PBSU-GBBX-DG-T1-EA	DC Millivolt	100 mV	Low Trip	120V		
252-PTOU-T*BX-DB-T1-EA	Thermocouple**	J,K,T,S,T	High Trip	120V		
252-PTUU-T*BX-DB-T1-EB	Thermocouple**	J,K,T,S,T	Low Trip	120V		
DC Transducer Trip	1	1		1		
252-PBAU-FABX-DG-T1-EB	Transducer	1 mADC	Low Trip 0-80%	120V		
252-PBBU-FABX-DG-T1-EA	Transducer	1 mADC	Hip Trip 40-120%	120V		
252-PBVU-FABX-DG-T1-EC	Transducer	1 mADC	Low/High, 2 relays	120V		
252-PBAU-HGBX-DG-T1-EB	Transducer	4-20 mADC	Low Trip 0-80%	120V		
252-PBBU-HGBX-DG-T1-EA	Transducer	4-20 mADC	Hip Trip 40-120%	120V		
252-PBVU-HGBX-DG-T1-EC	Transducer	4-20 mADC	Low/High, 2 relays	120V		
252-PBAU-MTBX-DG-T1-EB	Transducer	10 VDC	Low Trip 0-80%	120V		
252-PBBU-MTBX-DG-T1-EA	Transducer	10 VDC	Hip Trip 40-120%	120V		
252-PBVU-MTBX-DG-T1-EC	Transducer	10 VDC	Low/High, 2 relays	120V		

* 20-30V also available ** Specify TC Type and Temperature Range

SPECIFICATION

Relay Contacts	DPDT, 5A@240VAC/24VDC (resistive)	
Temperature	0-60°C operating (0-40°C for UL)	
Enclosure	Flame retardant polycarbonate/ABS, IP50	
Dimensions	252: 2.2" x 2.8" x 4.4" (55 x 70 x 112 mm) 253: 2.9" x 2.8" x 4.4" (75 x 70 x 112 mm)	

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