



THREE-PHASE CURRENT PROTECTOR PROTECTORS

KEY FEATURES

- LED fault indication
- Adjustable nominal voltages, trip points, time delay and differentials
- Compact DIN-rail enclosure
- Power on LED (Green)
- Designed to avoid nuisance tripping

TE Connectivity's (TE) Crompton Instruments AC current protector trip relays provide continuous surveillance of monitored circuits and offer user-adjustable trip points (set-points) with time delay settings. When the current moves outside the set point limit for longer than the time delay, the relay will operate providing an alarm control or tripping signal.

The set-point adjustment range is between 40% and 120% of the nominal current with 1A or 5A nominal input current (via current transformers or direct connection). An internal differential setting of 1% reduces nuisance tripping if the measured signal is noisy or unstable. The relay will trip if the measured current moves outside the set point limit and the red LED indicates a fault condition. An adjustable time delay eliminates premature operation on short-duration current fluctuations. During this delay period, the red LED will flash. Protectors draw their operating power from a separate auxiliary supply input.

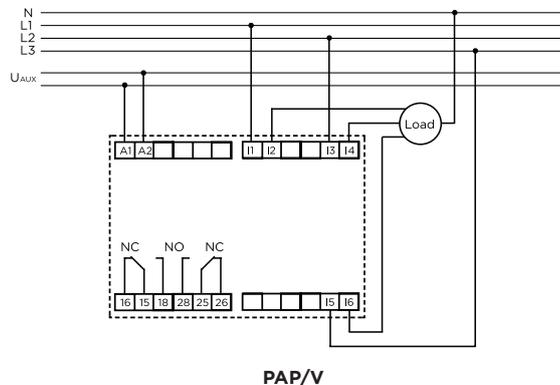
Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Three-Phase Current Protector



SPECIFICATION		
Technical parameters	PAP/V-1	PAP/V-5
Under current protection (de-energise on trip)	Selectable	Selectable
Over current protection (energise on trip)	Selectable	Selectable
System type	3-phase (3-)	3-phase (3-)
Auxiliary supply terminals	A1, A2	
Auxiliary supply voltage	24-240V AC/DC	
Auxiliary supply voltage tolerance	±10%	
Auxiliary voltage burden (max)	3VA/1.2W	
Operating frequency AC	45-65 Hz	
Current input terminals	I1, I2	
L1 phase :	I3, I4	
L2 phase:	I5, I6	
L3 phase:		
Rated current In	1A AC	5A AC
Current input burden (max)	0.1VA	0.5VA
Upper current limit Imax	Adjustable 40-120% In	
Lower current limit Imin	Adjustable 40-120% In	
Overload capacity		
-continuous	2A	10A
-max. 3s	50A	50A
Differential (hysteresis)	Internally pre-set at 1% In	
Time delay	Adjustable 0.5-10s	
Output relay-contact	2x change over (AgNi) plated	
Output relay-contact terminals	15, 16, 18 & 25, 26, 28	
Load capability of relay contact AC	250V/8A, max. 2000VA	
Load capability of relay contact DC	30V/8A	
Mechanical life	3x10 ⁶ by rated load	
Relay reset	Automatic	
ANSI no.	37/50	37/50
Operating temperature	-20 +55°C	
Storage temperature	-30 +70°C	
Electric strength (supplying - contact relay)	4kV/1min.	
Overvoltage category	III.	
Pollution degree	2	
Enclosure integrity	IP40 from the front panel/IP20 terminals	
Enclosure style	DIN-rail, 6 module	
Case material	Flame retardant polycarbonate	
Connecting conductors profile (mm ²)	max. 2x1.5mm ² /1x2.5mm ²	
Dimensions	H90xW105xD64mm	
Weight	208g	208g
Standards	EN 60255-6, EN 60255-27, EN 61000-6-2, EN 6100-6-4	

PROTECTOR CONNECTION



te.com/energy

© 2020 TE Connectivity. All Rights Reserved. EPP-3570-DDS-7/20-EN

TE Connectivity, TE connectivity (logo), EVERY CONNECTION COUNTS, AMP, AMPACT, Axicom, Bowthorpe EMP, Crompton Instruments, Raychem, SIMEL, UTILUX are trademarks. Other logos, product and Company names mentioned herein may be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this brochure are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

FOR MORE INFORMATION: TE Technical Support Centers

USA/Canada: +1 800-327-6996
 Brazil: +55 11-2103-6023
 Mexico: +52 55-1106-0800
 South America: +57 1-319-8962
 Benelux: +32 16-508-695
 France: +33 (0) 38-058-3210
 Germany/Switzerland: +49 (0) 89-608-9903
 Italy: +39 335-834-3453
 Middle East/Africa: +971 4-211-7020
 Russia: +7 495-790-790-2-200
 Spain/Portugal: +34 912-681-885
 UK: +44 08708-707-500
 China: +86 400-820-6015