87T Relay AST-441H for Transformer Differential Protection

POWER SYSTEM PROTECTION EQUIPMENT



AST-441H 87T relay for two-winding and three-winding transformer differential protection: biased differential, harmonic restraint, IEC 61850. MOQ 1 unit.

KEY FEATURES

- AST-441H covers two-winding and three-winding transformer differential duty in one build.
- Biased differential with slope 0.30 to 0.70 and second-harmonic restraint 0.10 to 0.70.
- CT inputs accept 1 A or 5 A secondaries, with software ratio and vector group compensation.
- Auxiliary supply is AC/DC 220 V, rated AC voltage input is 100 V at 50 Hz.
- Station integration runs over IEC 61850, IEC 60870-5-103, Modbus RTU or Ethernet.
- Trip contacts carry 50 W breaking capacity with a make current up to 5 A.
- Mounting is 19-inch chassis or drawout case, for panel or DIN rail.
- Commercial terms: MOQ 1 unit, 4 to 6 week lead time, 12-month warranty.

DESCRIPTION

Ordering fact	**AST-441H**
Models	AST-441H, one differential platform for two-winding and three-winding transformers
Rated	1 A or 5 A CT secondary, AC/DC 220 V auxiliary supply, 100 V AC voltage input
Lead time	4 to 6 weeks from order confirmation, expedited build on request
MOQ	1 pc

TRANSFORMER PROTECTION FUNCTIONS AND ANSI CODES

Protection Function	ANSI Code	IEC 61850 Node	Purpose
Transformer Differential Protection (biased)	87T	PDIF	Main protection for internal transformer faults
High-Speed Differential Protection (unrestrained)	87T	PDIF	Fast operation for severe internal faults
CT Open-Circuit Detection	n/a	n/a	Detects abnormal CT secondary conditions
Differential Current Alarm	n/a	n/a	Warns of abnormal differential current
Harmonic Restraint	n/a	PHAR	Prevents unwanted operation during inrush

ORDERING INFORMATION

MOQ	LEAD TIME	TRADE TERMS	PAYMENT	WARRANTY
1 unit	7-15 working days	EXW / FOB / CIF / DDU	T/T, L/C, WU, PayPal	12 months