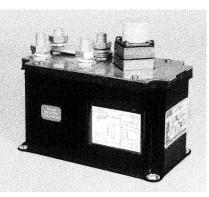


A-981 Series, Rated up to 400 Amps, 28 Vdc

Product Facts

- SPDT, Double break or SPST NO, SPST NC
- Gasket sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106



Performance Data

Electrical Characteristics Contact Arrangement -SPDT, Double Break or SPST NO, SPST NC

Rated Operating Voltage — 28 Vdc

Resistive Rating — 400 Amps Inrush for 30 sec — 1,000 Amps Inrush — 1,500 Amps

General Characteristics Temperature Range — -55°C to +71°C

Operating Cycles (Life) at Rated Resistive Load, Min. - 50,000 cycles

Operating Cycles (Life) Mechanical, Min. — 100,000 cycles

Dielectric Strength — All Circuits to Ground — 1,250 Vrms Circuit to Circuit — 1,250 Vrms 1,000 Vrms

Weight, Max. - 3.2 lbs

Coil Characteristics

Duty Cycle --- Continuous with suppression Operating Voltage, Max. - 31 Vdc Operating Voltage, Min. - 17 Vdc Pickup Voltage, Max. — 18 Vdc Dropout Voltage @ 25°C — 1 to 10 Volts Coil Current, Inrush, Max. — 4.5 Amp

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

Catalog 5-1773450-5 Revised 3-13

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

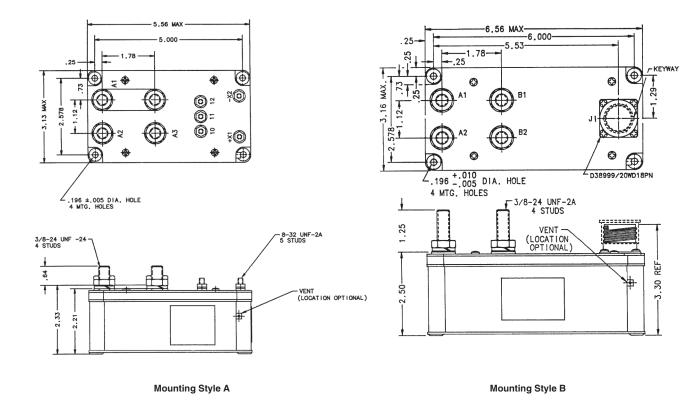
USA: +1 800 522 6752 Asia Pacific: +86 0 400 820 6015 UK: +44 800 267 666 For additional support numbers please visit www.te.com

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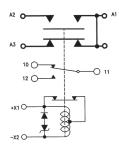
www.te.com



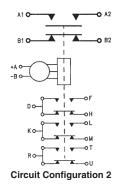
A-981 Series, Rated up to 400 Amps, 28 Vdc (Continued)



Circuit Configurations (Consult factory for other available circuit configurations)



Circuit Configuration 1



HARTMAN Part Number	Construction Type	Mounting Style	Coil Type	Circuit Config.	TE Part Number
A-981S	Gasket/Vented	А	Continuous, Economizing w/Supp.	1	1616083-7
A-981P	Gasket/Vented	В	Continuous, Economizing w/Supp.	2	1616083-6

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

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Catalog 5-1773450-5 Revised 3-13

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reference purposes only. Specifications subject to change.

Dimensions are shown for

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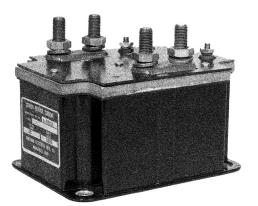
For additional support numbers please visit www.te.com



A-981 Series, Rated up to 600 Amps, 28/48 Vdc

Product Facts

- SPDT, Double break or **1PST NO, 1PST NC**
- Gasket sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106



Performance Data

Electrical Characteristics Contact Arrangement — SPST NC, Double Break or 1PST NO, 1PST NC

Rated Operating Voltage - 28 Vdc Resistive Rating — 600 Amps Inrush for 30 sec — 1,000 Amps Motor Rating — 1,500 Amps, Inrush only

General Characteristics Temperature Range --55°C to +71°C **Operating Cycles (Life) at Rated** Resistive Load, Min. - 50,000 cycles **Operating Cycles (Life)**

Mechanical, Min. — 100,000 cycles Weight, Max. -A-981E — 4 lbs 5 oz A-981K — 4.5 lbs

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B2

Mounting Style B

Coil Characteristics

Duty Cycle -A-981E — Continuous A-981K — Continuous, economizing

Operating Voltage -A-981E — 28 Vdc A-981K — 24 Vdc min. to 30 Vdc max.

Pickup Voltage -A-981E — 18 Vdc max. hot A-981K — 16 Vdc max. initial @ 25°C

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10-32 UNF-2A 2 STUDS 2

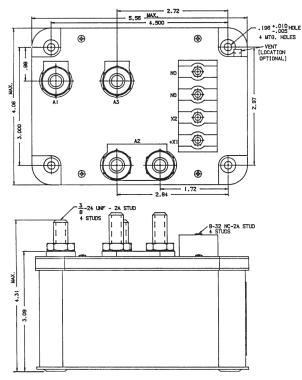
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LOCATION OPTIONAL)

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/8-24 UNF -24 STUDS

Dropout Voltage -A-981E - 10 Vdc max. hot A-981K - 1 to 10 Vdc



Mounting Style A

Dimensions are shown for

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

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Catalog 5-1773450-5 Revised 3-13

reference purposes only. Specifications subject to change.

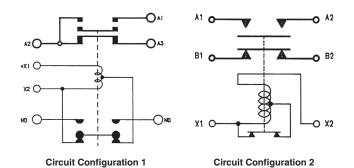
Dimensions are in millimeters unless otherwise specified.

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A-981 Series, Rated up to 600 Amps, 28/48 Vdc (Continued)

Circuit Configurations (Consult factory for other available circuit configurations)



HARTMAN Part Number	Construction Type	Mounting Style	Coil Type	Circuit Config.	TE Part Number
A-981E	Gasket/Vented	А	Continuous, Economizing	1	1616083-1
A-981K	Gasket/Vented	В	Continuous, Economizing	2	1616083-2

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

Catalog 5-1773450-5 Revised 3-13

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Dimensions are shown for reference purposes only. Specifications subject to change. Dimensions are in millimeters unless otherwise specified.

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