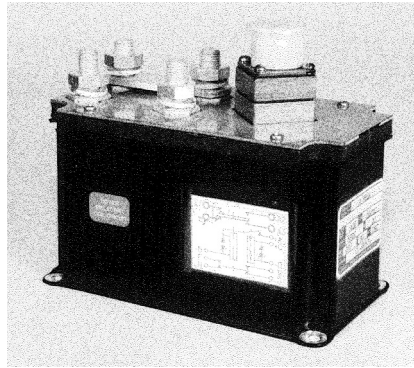


A-981 Series, Rated up to 400 Amps, 28 Vdc

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
Coil to Ground and Aux. Contacts — 1,000 Vrms

Weight, Max. — 3.2 lbs

Coil Characteristics

Duty Cycle — Continuous with suppression

Operating Voltage, Max. — 31 Vdc

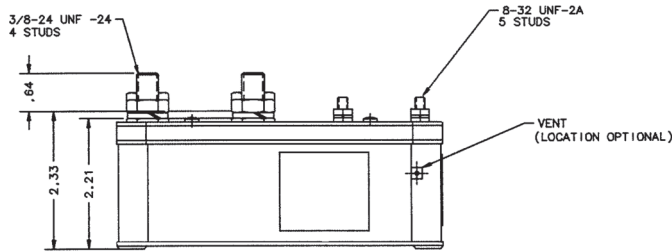
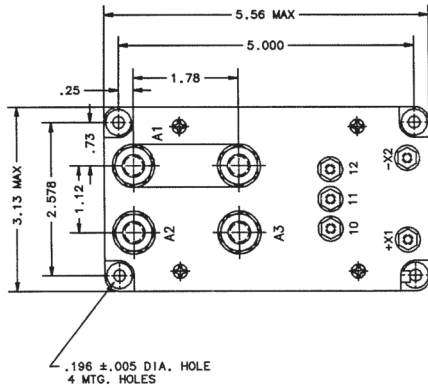
Operating Voltage, Min. — 17 Vdc

Pickup Voltage, Max. — 18 Vdc

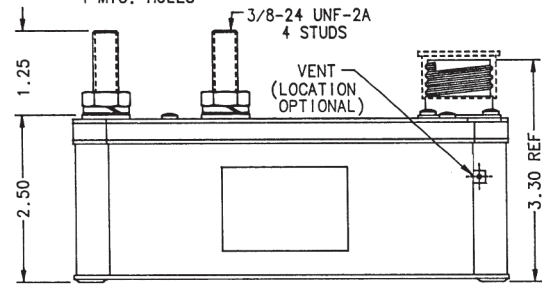
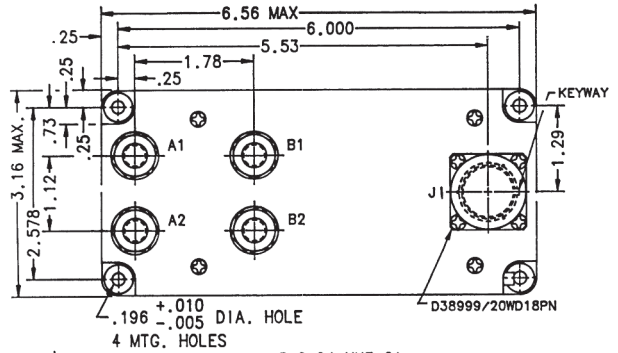
Dropout Voltage @ 25°C —
1 to 10 Volts

Coil Current, Inrush, Max. —
4.5 Amp

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

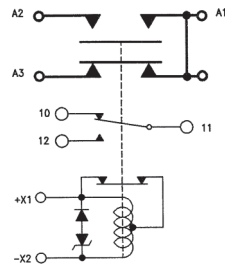


Mounting Style A

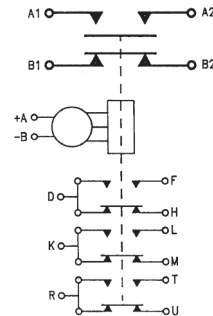


Mounting Style B

Circuit Configurations (Consult factory for other available circuit configurations)



Circuit Configuration 1



Circuit Configuration 2

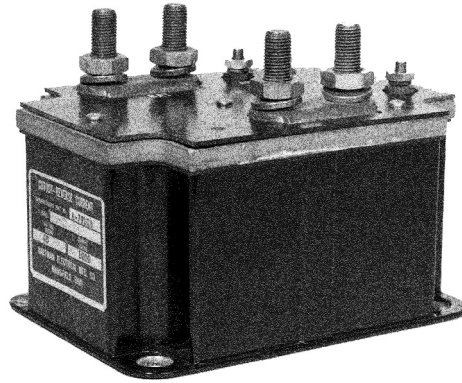
HARTMAN Part Number	Construction Type	Mounting Style	Coil Type	Circuit Config.	TE Part Number
A-981S	Gasket/Vented	A	Continuous, Economizing w/Supp.	1	1616083-7
A-981P	Gasket/Vented	B	Continuous, Economizing w/Supp.	2	1616083-6

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

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

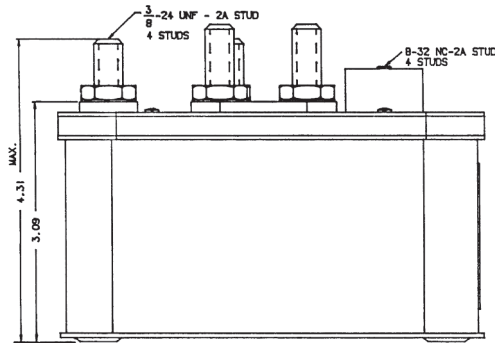
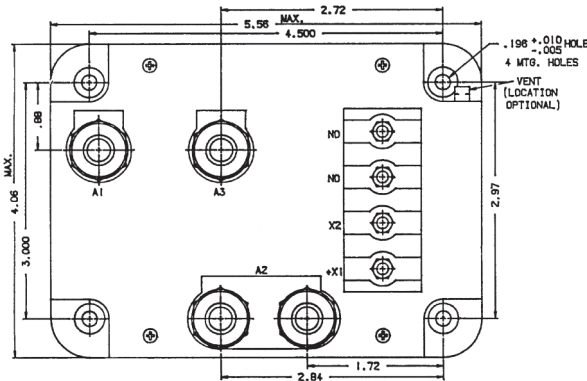
Coil Characteristics

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

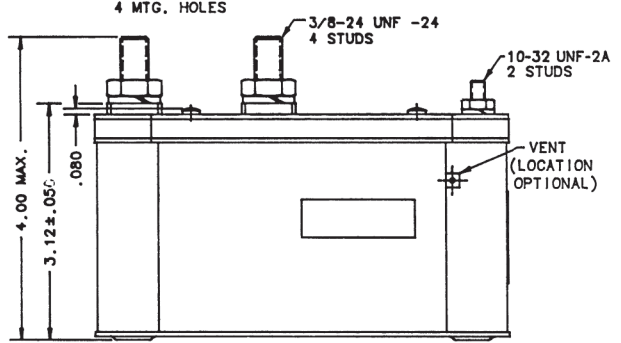
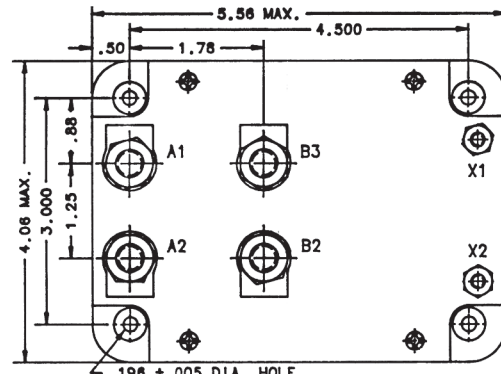
Operating Voltage — A-981E — 28 Vdc
A-981K — 24 Vdc min. to 30 Vdc max.

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

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



Mounting Style A

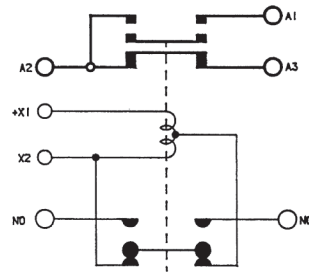


Mounting Style B

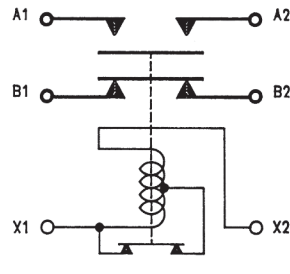
For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

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

Circuit Configurations (Consult factory for other available circuit configurations)



Circuit Configuration 1



Circuit Configuration 2

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

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