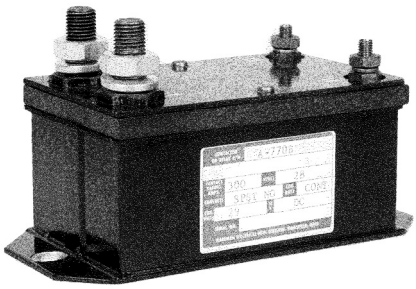
A-770 and AR-770 Series, Rated up to 300 Amps, 28 Vdc

Product Facts

- **SPST NO, Double Break**
- **Gasket Sealed**
- **Auxiliary contacts available**
- **Meets many requirements of MIL-PRF-6106**



Performance Data

Electrical Characteristics

Contact Arrangement — SPST NO, Double Break

Rated Operating Voltage — 28 Vdc

Resistive Rating — 300 Amps

Motor Load — 300 Amps

Rupture Rating — 3,000 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

Altitude Max. — 50,000 ft.

Weight — 2.00 lbs

Coil Characteristics

Duty Cycle — DC Continuous or Intermittent or Continuous or Intermittent with suppression

Operating Voltage, Nom. — 28 Vdc

Pickup Voltage @ 25°C, Max. — 16 Vdc

Dropout Voltage @ 25°C — 1.5 to 5 Vdc

Coil Current, Max., Holding — Coil Type A — 0.4 Amp
Coil Type B — 0.625 Amp

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

Catalog 5-1773450-5
Revised 3-13

www.te.com

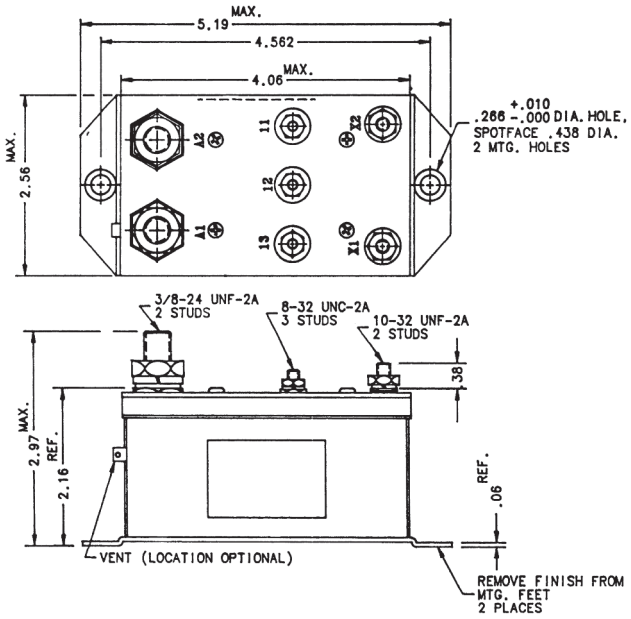
Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

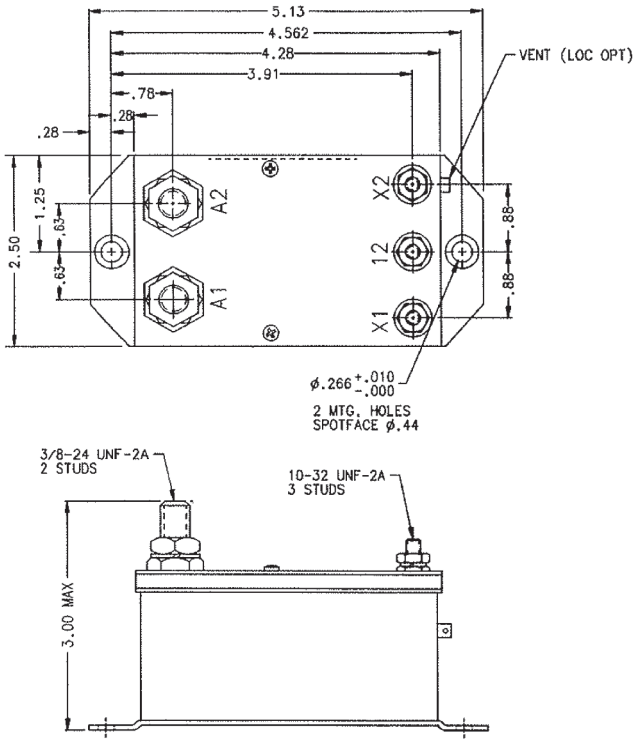
USA: +1 800 522 6752
Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

For additional support numbers please visit www.te.com

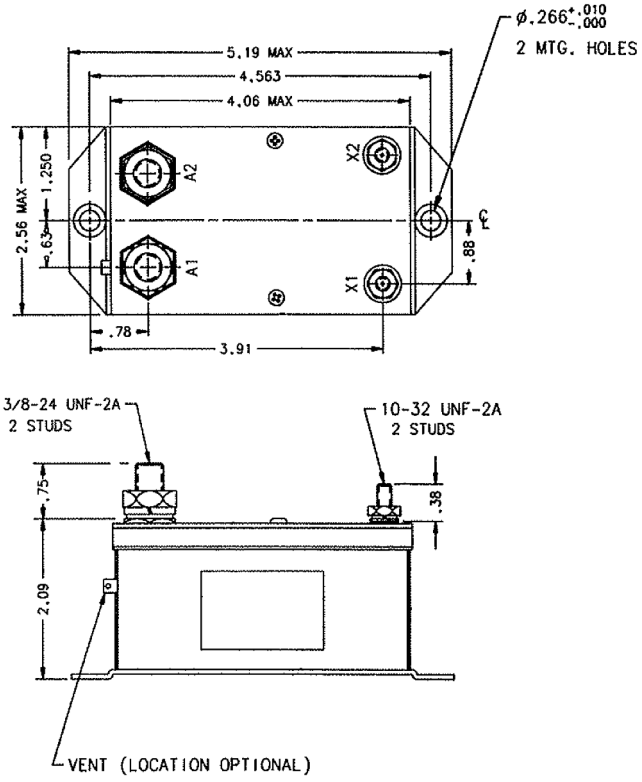
A-770 and AR-770 Series, Rated up to 300 Amps, 28 Vdc (Continued)



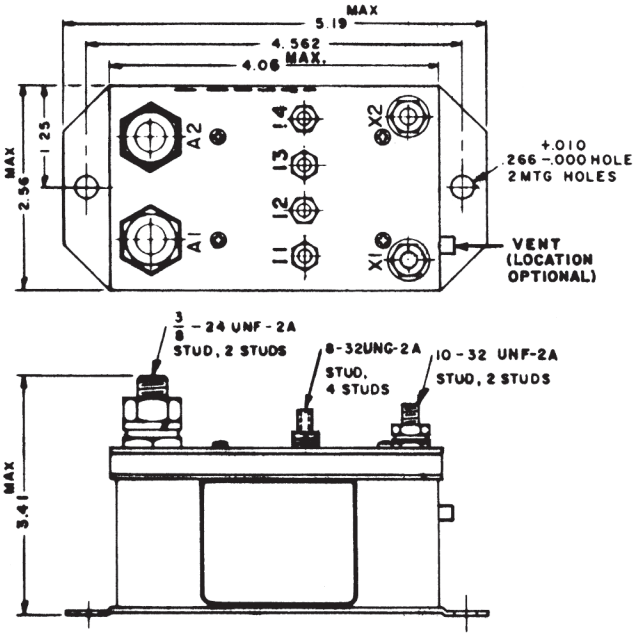
Mounting Style A



Mounting Style B



Mounting Style C



Mounting Style D

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

Catalog 5-1773450-5
Revised 3-13

www.te.com

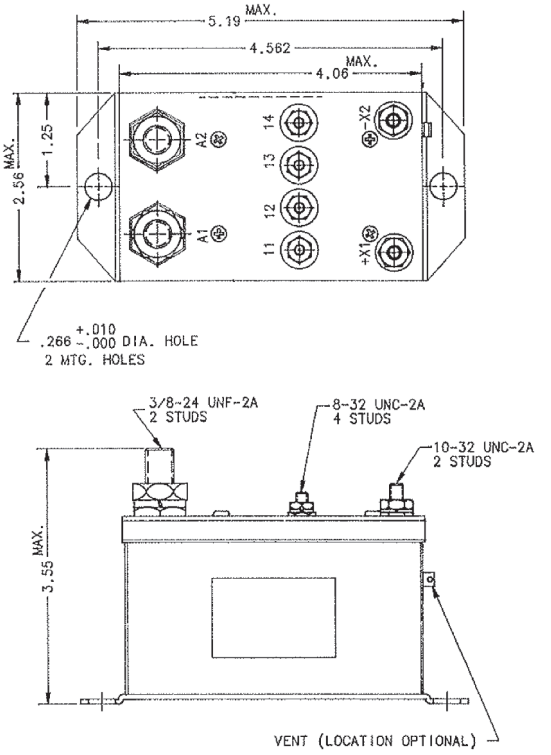
Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

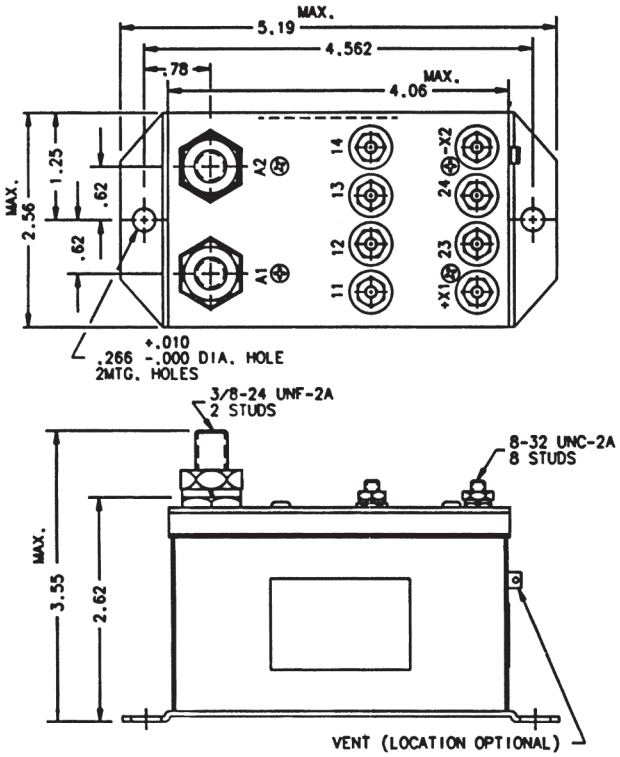
USA: +1 800 522 6752
Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

For additional support numbers please visit www.te.com

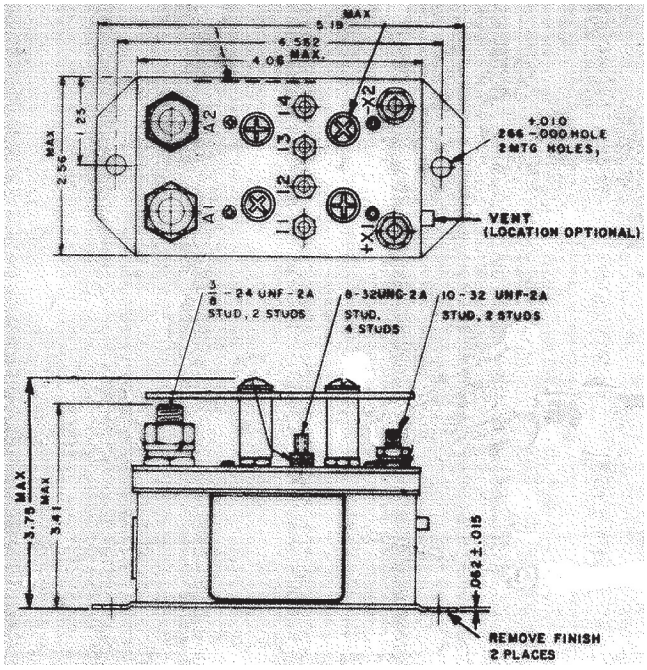
A-770 and AR-770 Series, Rated up to 300 Amps, 28 Vdc (Continued)



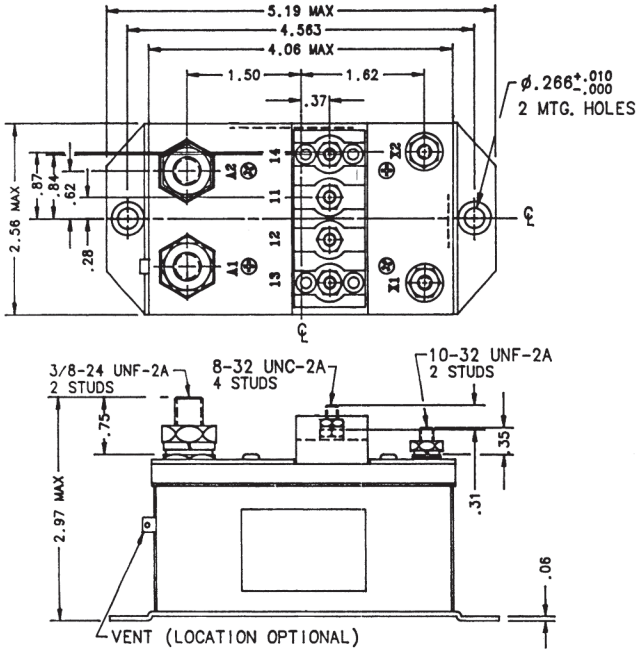
Mounting Style E



Mounting Style F



Mounting Style G



Mounting Style H

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

Catalog 5-1773450-5
Revised 3-13

www.te.com

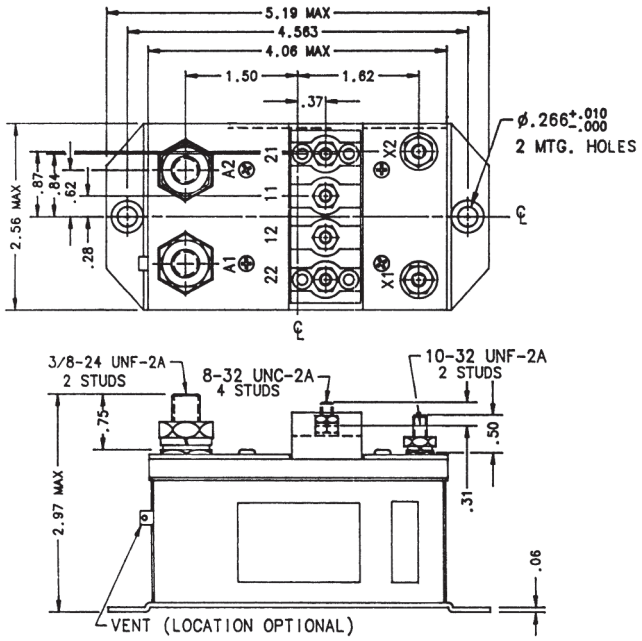
Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

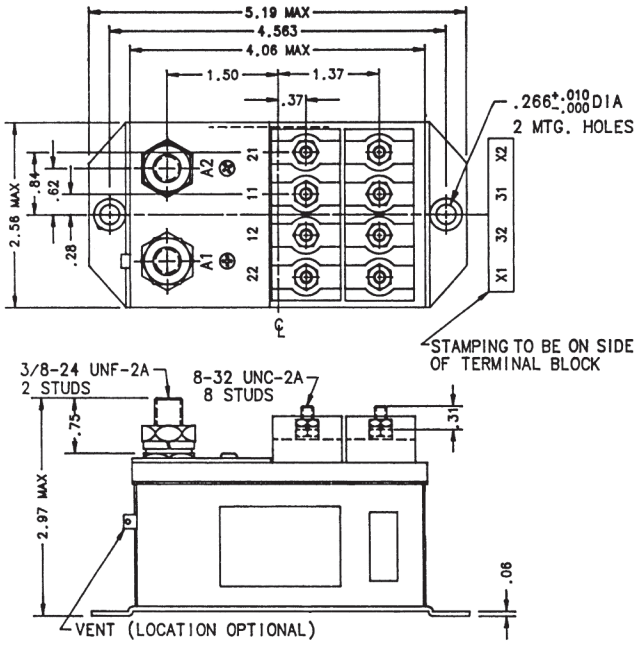
USA: +1 800 522 6752
Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

For additional support numbers please visit www.te.com

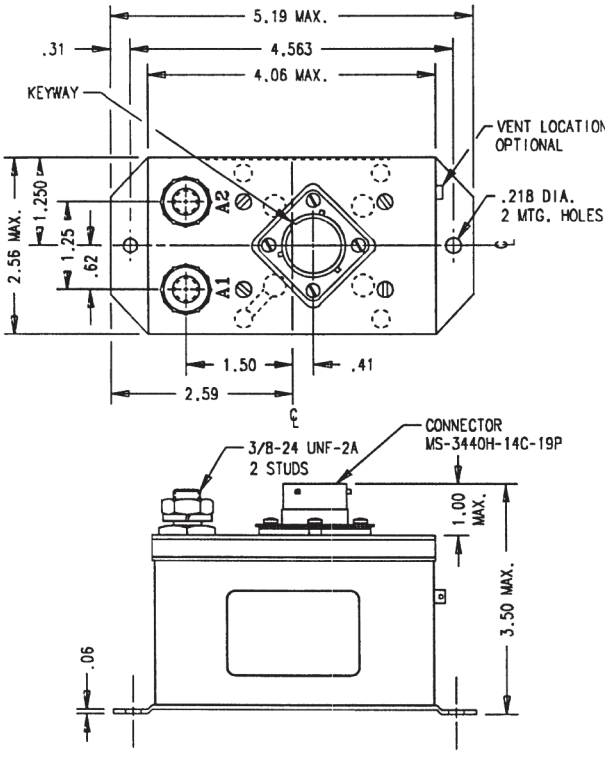
A-770 and AR-770 Series, Rated up to 300 Amps, 28 Vdc (Continued)



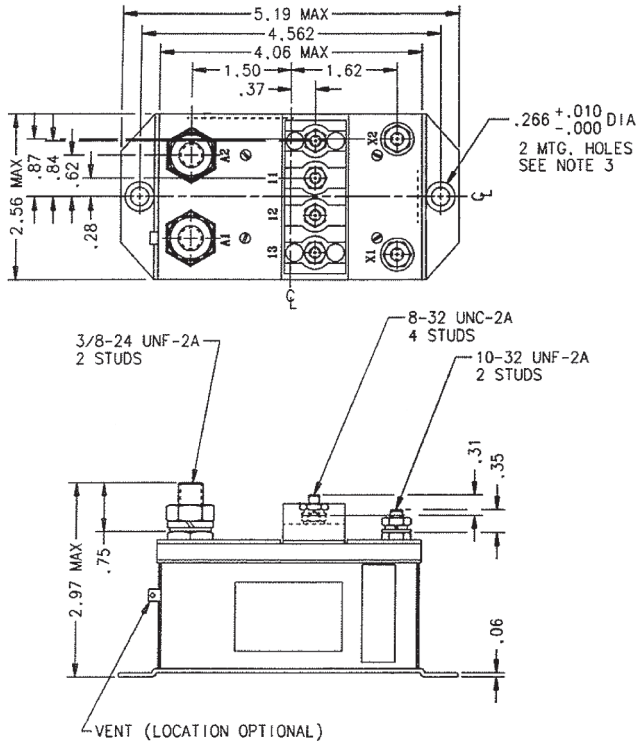
Mounting Style I



Mounting Style J



Mounting Style K



Mounting Style L

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

Catalog 5-1773450-5
Revised 3-13

www.te.com

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

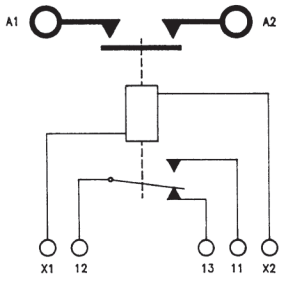
Dimensions are in millimeters unless otherwise specified.

USA: +1 800 522 6752
Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

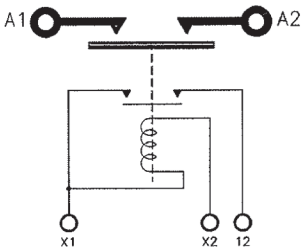
For additional support numbers please visit www.te.com

A-770 and AR-770 Series, Rated up to 300 Amps, 28 Vdc (Continued)

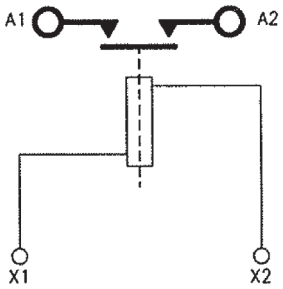
Circuit Configurations (Consult factory for other available circuit configurations)



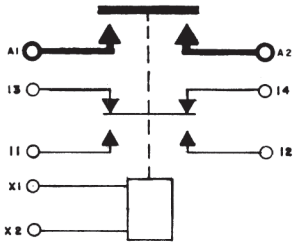
Circuit Configuration 1



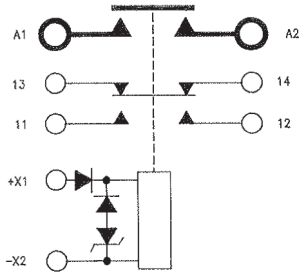
Circuit Configuration 2



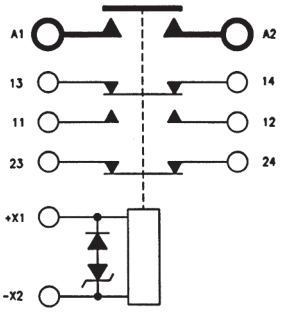
Circuit Configuration 3



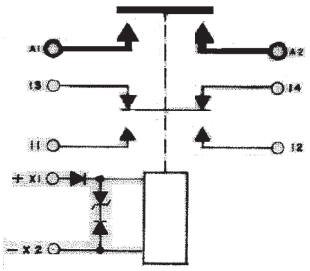
Circuit Configuration 4



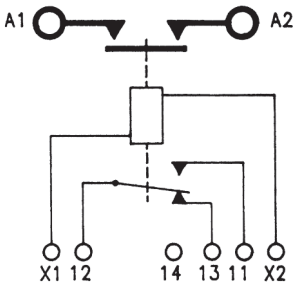
Circuit Configuration 5



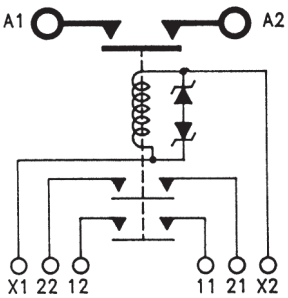
Circuit Configuration 6



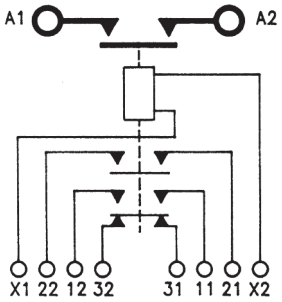
Circuit Configuration 7



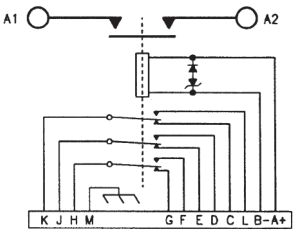
Circuit Configuration 8



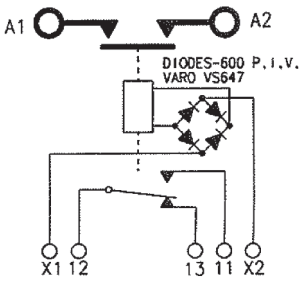
Circuit Configuration 9



Circuit Configuration 10



Circuit Configuration 11



Circuit Configuration 12

HARTMAN Part Number	Construction Type	Mounting Style	Coil Type	Circuit Config.	TE Part Number
A-770AM	Gasket/Vented	A	Continuous	1	3-1616058-1
A-770N	Gasket/Vented	B	Continuous	2	3-1616058-3
A-770RF	Gasket/Vented	C	Continuous	3	3-1616058-4
A-770RG	Gasket/Vented	D	Intermittent	4	3-1616058-5
A-770RN	Gasket/Vented	E	Continuous w/Supp.	5	3-1616058-8
A-770RSS	Gasket/Vented	F	Continuous w/Supp.	6	3-1616058-9
A-770RV	Gasket/Vented	G	Intermittent w/Supp.	7	1616530-7
A-770W	Gasket/Vented	H	Continuous	8	4-1616058-1
A-770WA-2	Gasket/Vented	I	Intermittent	9	4-1616058-2
A-770WA-3	Gasket/Vented	J	Intermittent	10	4-1616058-3
A-770WF	Gasket/Vented	K	Continuous	11	4-1616058-4
AR-770W	Gasket/Vented	L	Continuous	12	1616063-1

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

Catalog 5-1773450-5
Revised 3-13

www.te.com

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

MPT100C18RF 1393431-1 1903112-2 2834055-1 SBCHE64R7K TE50BR39J 1-794222-0 2-292161-3 2005330-1 3631B101LL SBCHE154R7K 650075-000 1-962915-1 2310537-1 2377783-2 3-1393225-0 3430B2F51RTDF RH73H2A40MKTN 175977-2 2380312-2 917696-1 936348-1 CRGCQ2010J3K3 U5254-000005-030PA 141991-2 CPF0402B37K4E1 SMW73R0JT 1743455-2 1969656-1 ROX05SJ18R