

FEATURES

BENEFITS



COMPLIES WITH REQUIREMENTS OF

- * IEC STANDARDS 947-4-1 AND 947-5-1 LOW VOLTAGE DIRECTIVE
- * IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION
- * CE TESTING AND EVALUATION PERFORMED BY THE UNDERWRITERS LABORATORIES AS A THIRD PARTY PARTICIPANT

SOLID STATE CIRCUITRY

OPTICALLY COUPLED CIRCUIT

INTERNAL SNUBBER

RED L. E. D. STATUS LAMP

CLEAR PLASTIC COVER

NO MOVING PARTS

ISOLATE INPUT FROM OUTPUT

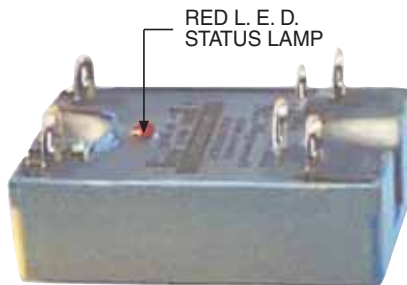
PROTECTS RELAY FROM TRANSIENTS

VERIFY PRESENCE OF INPUT VOLTAGE

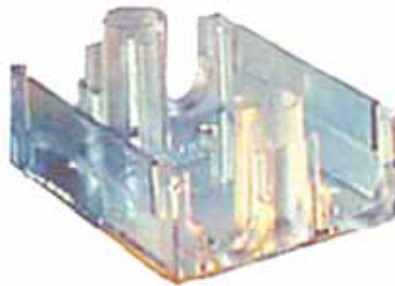
PROTECTION FROM ACCIDENTAL CONTACT

MANUFACTURED
UNDER ISO 9002

ALL CURRENT RATINGS ON THE FOLLOWING PAGES
ARE BASED ON USE OF A SUITABLE THERMALLY
CONDUCTIVE COMPOUND
(E.G. SILICONE GREASE BETWEEN THE SSR
MOUNTING BASE AND THE MOUNTING SURFACE
OF A SUITABLE HEAT SINK).



RED L. E. D.
STATUS LAMP



SAFETY COVER STANDARD
ON ALL MODELS EXCEPT
DUAL OUTPUT

INPUT & OUTPUT SCREW SIZE

UP TO 40 AMP	
INPUT	OUTPUT
M 3.5	M 4
ABOVE 40 AMP	
M 3.5	M 6

FAMILY	INPUT-CONTROL	OUTPUT-LOAD	CONTROL-METHOD
ASX	AC	AC	SCRs
DSX	DC	AC	SCRs
DTX	DC	AC	TRIAC
DDX	DC	DC	MOSFET



6 SERIES SOLID STATE RELAYS

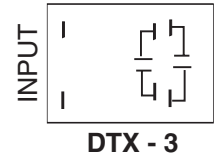


UL Recognized
File No. E52197



DTX - DC/AC SPST & DPST, 10 TO 40 AMPS

WIRING DIAGRAM
(VIEWED FROM PIN END)



GENERAL SPECIFICATIONS (@ 25°C)

INPUT CHARACTERISTICS

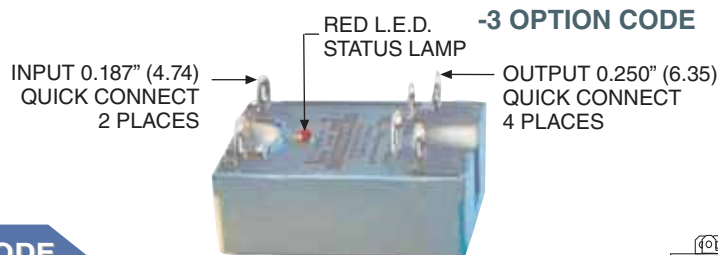
Style:	DTX
Control Voltage Range:	3 - 32 VDC
Typical Input Current:	2 mA (62 series), 16 mA (64 series)
Must Release Voltage:	1 VDC
Maximum. Reverse Control Voltage:	YES

OUTPUT CHARACTERISTICS

Style:	W62 24 - 280 VAC			W64 48 - 480 VAC		
Load Voltage Range (50/60 Hz):	10 Amp	25 Amp	40 Amp	10 Amp	25 Amp	40 Amp
Rated Load Current:	250 uS	250 uS	250 uS	200 uS	250 uS	250 uS
Maximum Off-State Voltage dv/dt:	50 mA	120 mA	50 mA	50 mA	20 mA	250 mA
Minimum Load Current:	100 A	250 A	250 A	100 A	250 A	250 A
Non -Repetitive Surge Current (1 Cycle):	10 mA	10 mA	10 mA	10 mA	10 mA	10 mA
Maximum Off State Leakage current (Rms):	1.6 VAC	1.6 VAC	1.6 VAC	1.6 VAC	1.6 VAC	1.6 VAC
Typical On-State Voltage Drop (Rms):	52	300	438	35	200	250
Maximum I ² T for Fusing (A ² Sec):	3.2	0.5	1.4	3.2	0.5	0.2
Suggested Heatsink °C/W:	8.3 mS			8.3 mS		
Maximum Turn - On Time:						
Maximum Turn - Off Time:						

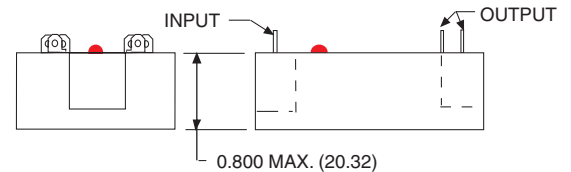
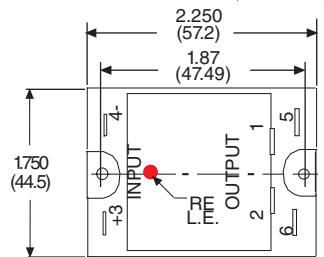
MISCELLANEOUS CHARACTERISTICS

Dielectric Strength (Input/Output/Base):	4000 V rms
Insulation Resistance:	100 megohms minimum @ 500 VDC
Operating Temperature Range:	-40 °C to +80 °C
Storage Temperature Range:	-40 °C to +100 °C
Weight:	100 grams approx.



OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



ORDERING CODE

CLASS: **6**

LOAD VOLTAGE RANGE: **2**
24 - 280 VAC: CODE 2
48 - 480 VAC: CODE 4

RATED LOAD CURRENT: **10**
10 AMPS, 25 AMPS, 40 AMPS,

INPUT/OUTPUT STYLE: **DTX-**
DTX: DC - INPUT / AC OUTPUT

OPTIONS: **1**
-1 = ZERO CROSS, NORMALLY OPEN
-2 = RANDOM TURN ON, NORMALLY OPEN
-3 = DOUBLE POLE, RANDOM TURN ON, NORMALLY OPEN
-4 = RANDOM TURN ON, NORMALLY CLOSED

STANDARD PART NUMBERS	RATED LOAD CURRENT
*W6210DTX-1	10 AMPS
*W6225DTX-1	25 AMPS
*W6240DTX-1	40 AMPS
*W6410DTX-1	10 AMPS
*W6425DTX-1	25 AMPS
*W6440DTX-1	40 AMPS
W6210DTX-3	10 AMPS
W6210DTX-4	10 AMPS
*W6225DTX-4	25 AMPS
W6240DTX-4	40 AMPS



*CE Approved