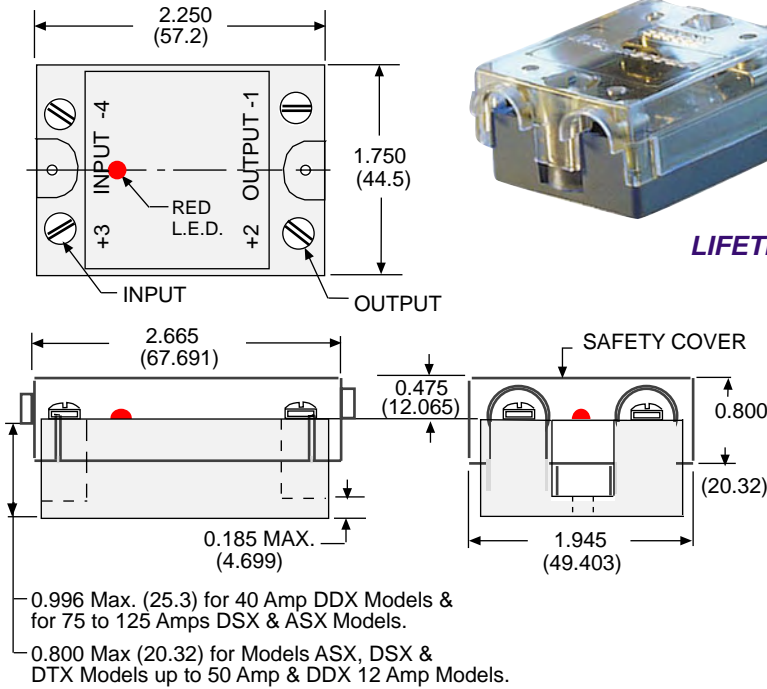


SPST-N.O. 10 TO 125 AMPS

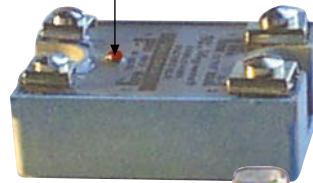
UL **us** **CE**
 UL Recognized On selected
 File No. E52197 models

OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



RED L.E.D. STATUS LAMP

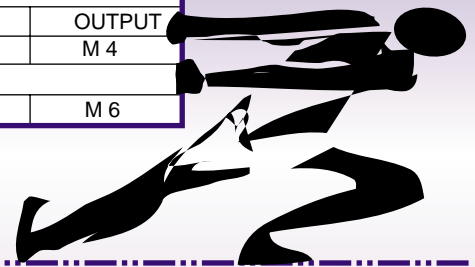


SAFETY COVER STANDARD ON ALL MODELS EXCEPT DUAL OUTPUT

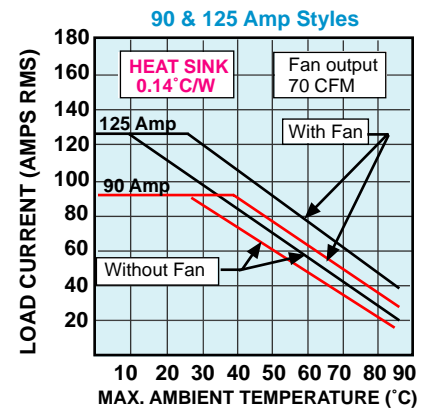
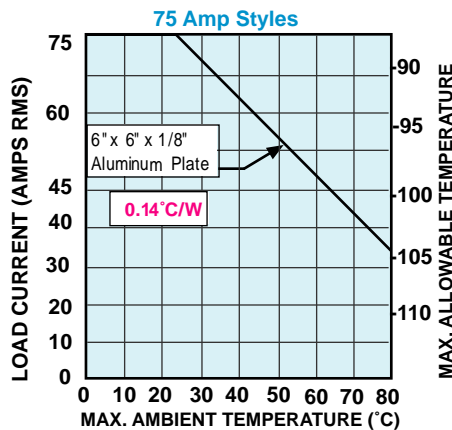
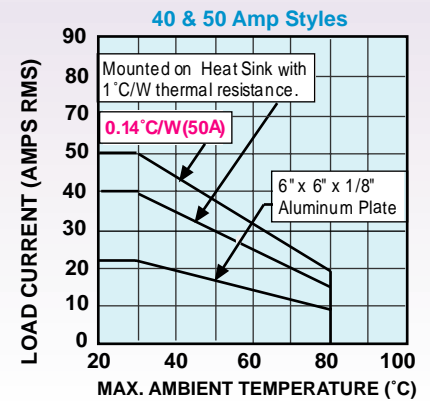
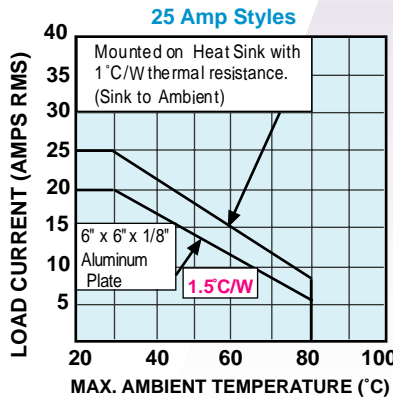
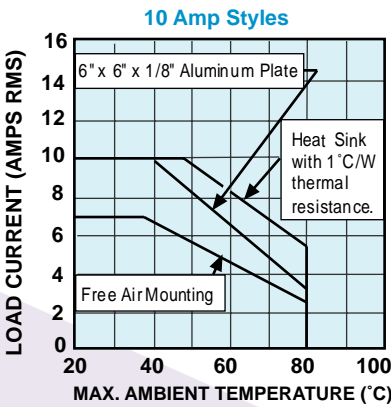
LIFETIME WARRANTY

INPUT & OUTPUT SCREW SIZE

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



THERMAL DERATING CURVE & LOAD CHARACTERISTICS



ORDERING CODE FOR RELAYS

W 6 2 10 ASX-

DENOTES STOCK: W

CLASS: 6

LOAD VOLTAGE RANGE: 2
 24 - 280 VAC: CODE 2
 48 - 560 VAC: CODE 4
 48 - 600 VAC: CODE 6

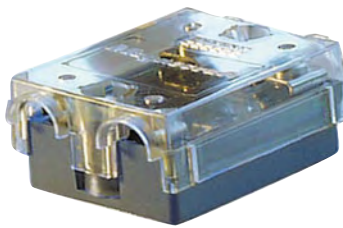
RATED LOAD CURRENT: 10
 10 AMPS, 25 AMPS,
 40 AMPS, 50 AMPS,
 75 AMPS, 90 AMPS,
 125 AMPS

INPUT/OUTPUT STYLE: ASX
 AC INPUT / AC OUTPUT - ASX (SCR)
 DC INPUT / AC OUTPUT - DSX (SCR)
 DC INPUT / AC OUTPUT - DTX (TRIAC)
 DC INPUT / DC OUTPUT - DDX (MOSFET)

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).

ASX SERIES SPST-N.O. 10 TO 125 AMPS

AC CONTROLLED INPUT
AC SCR OUTPUT.
L. E. D. STATUS LAMP



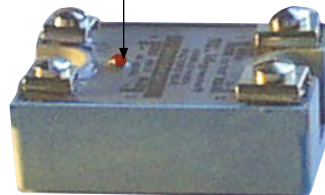
cRU us
UL Recognized
File No. E52197

CE On selected models

GENERAL SPECIFICATIONS

INPUT CHARACTERISTICS

Control Voltage Range: 90 - 280 VAC
 Typical Input Current: 20 mA
 Must Release Voltage: 10 VAC
 Power Indicator: Red L. E. D. Status lamp



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

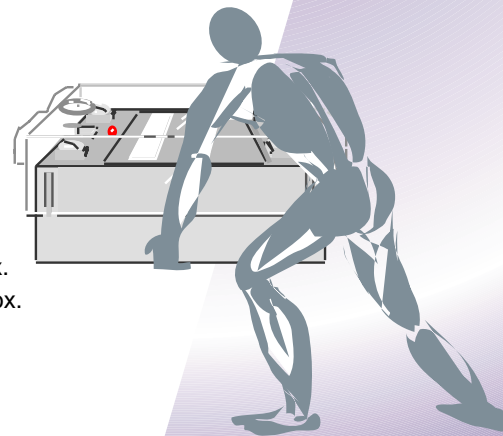
OUTPUT CHARACTERISTICS

Style: W62, W64, W66
 Load Voltage Range: 40 - 280 VAC, 48 - 560 VAC, 48 - 660 VAC
 Rated Load Current: 10 Amp, 25 Amp, 40 Amp, 50 Amp, 75 Amp, 90 Amp, 125 Amp
 Maximum Off-State Voltage dv/dt: 200 uS, 500 uS, 500 uS, 500 uS, 500 uS, 200 uS, 300 uS, 500 uS, 500 uS, 500 uS, 1000 uS, 1000 uS
 Minimum Load Current: 50 mA, 120 mA, 250 mA, 250 mA, 250 mA, 50 mA, 120 mA, 250 mA, 250 mA, 250 mA, 500 mA, 500 mA
 Non -Repetitive Surge Current (1 Cycle): 83 A, 250 A, 625 A, 520 A, 1150 A, 83 A, 250 A, 625 A, 520 A, 1150 A, 1350 A, 1800 A
 Maximum off State Leakage current (Rms): 8 mA, 8 mA, 10 mA, 10 mA, 10 mA, 10 mA, 8 mA, 10 mA, 10 mA, 10 mA, 5 mA, 5 mA
 Typical On-State Voltage Drop (Rms): 1.6 VAC, 1.6 VAC, -, 1.8 VAC, 1.8 VAC, 1.6 VAC, 1.6 VAC, 1.6 VAC, 1.8VAC, 1.8 VAC, 1.8 VAC, 1.8 VAC
 Maximum I²T for Fusing (A² Sec): 72, 312, 1250, 1250, 5000, 72, 312, 1250, 1035, 2600, 3500, 5800
 Suggested Heatsink °C/W: 3.2, 0.5, 0.2, 0.14, 0.14, 3.2, 0.5, 0.2, 0.14, 0.14, 0.14+fan, 0.14+fan
 Operating Frequency Range: 25 Hz to 70 Hz
 Maximum Turn - On Time: 40 mS
 Maximum Turn - Off Time: 80 mS

W62					W64					W66	
40 - 280 VAC					48 - 560 VAC					48 - 660 VAC	
10 Amp	25 Amp	40 Amp	50 Amp	75 Amp	10 Amp	25 Amp	40 Amp	50 Amp	75 Amp	90 Amp	125 Amp
200 uS	500 uS	500 uS	500 uS	500 uS	200 uS	300 uS	500 uS	500 uS	500 uS	1000 uS	1000 uS
50 mA	120 mA	250 mA	250 mA	250 mA	50 mA	120 mA	250 mA	250 mA	250 mA	500 mA	500 mA
83 A	250 A	625 A	520 A	1150 A	83 A	250 A	625 A	520 A	1150 A	1350 A	1800 A
8 mA	8 mA	10 mA	10 mA	10 mA	10 mA	8 mA	10 mA	10 mA	10 mA	5 mA	5 mA
1.6 VAC	1.6 VAC	-	1.8 VAC	1.8 VAC	1.6 VAC	1.6 VAC	1.6 VAC	1.8VAC	1.8 VAC	1.8 VAC	1.8 VAC
72	312	1250	1250	5000	72	312	1250	1035	2600	3500	5800
3.2	0.5	0.2	0.14	0.14	3.2	0.5	0.2	0.14	0.14	0.14+fan	0.14+fan

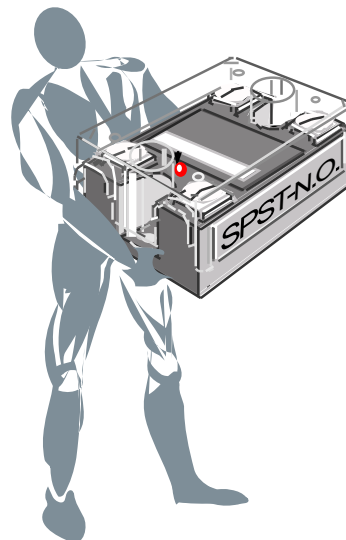
MISCELLANEOUS CHARACTERISTICS

Dielectric Strength (Input-to Output Isolation): 4000 V rms
 Insulation Resistance: 10¹⁰ Ω min.
 Operating Temperature Range: -40°C to +80°C
 Storage Temperature Range: -40°C to +100°C
 Weight: 10 amps to 50 amps: 100 grams approx.
 75 amps to 125 amps: 250 grams approx.



FEATURES

- * RED L. E. D. STATUS LAMP
- * CLEAR SAFETY COVER
- * UP TO 660 VAC OUTPUTS
- * HIGH TRANSIENT CAPABILITY— SINGLE OUTPUT FEATURES BACK TO BACK SCR'S AND INTERNALLY MOUNTED RC (SNUBBER) NETWORK FOR HIGH DV/DT APPLICATIONS.
- * PHOTO-ISOLATED, ZERO VOLTAGE SWITCHING
- * OPTICALLY COUPLED FOR 4000 VAC ISOLATION BETWEEN INPUT AND OUTPUT AND RFI SUPPRESSION.
- * LIFETIME WARRANTY



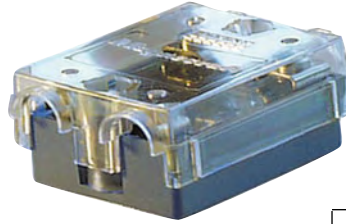
PART NUMBERS	RATED LOAD CURRENT
W6210ASX-1	10 AMPS
*W6225ASX-1	25 AMPS
W6240ASX-1	40 AMPS
W6250ASX-1	50 AMPS
W6275ASX-1	75 AMPS
W6410ASX-1	10 AMPS
W6425ASX-1	25 AMPS
W6440ASX-1	40 AMPS
W6450ASX-1	50 AMPS
W6475ASX-1	75 AMPS
W6690ASX-1	90 AMPS
W66125ASX-1	125 AMPS

SEE END OF SECTION 2 FOR CROSS REFERENCE.

* **CE** Approved

DSX SERIES SPST-N.O. 10 TO 125 AMPS

DC CONTROLLED INPUT
AC SCR OUTPUT
L. E. D. STATUS LAMP.



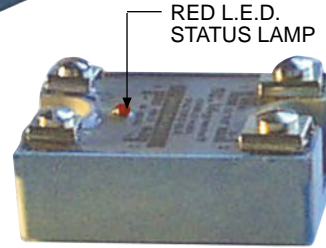
UL us
UL Recognized
File No. E52197

CE On selected models

GENERAL SPECIFICATIONS

INPUT CHARACTERISTICS

Control Voltage Range: 3 - 32 VDC
Typical Input Current: 16 mA
Must Release Voltage: 1 VDC
Reverse Polarity Protection: Yes
Power Indicator: Red L. E. D. Status lamp



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

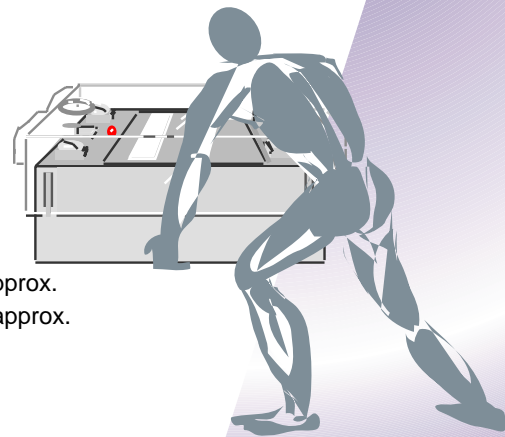
OUTPUT CHARACTERISTICS

Style:	W62					W64					W66	
Load Voltage Range:	40 - 280 VAC					48 - 560 VAC					48 - 660 VAC	
Rated Load Current:	10 Amp	25 Amp	40 Amp	50 Amp	75 Amp	10 Amp	25 Amp	40 Amp	50 Amp	75 Amp	90 Amp	125 Amp
Maximum Off-State Voltage dv/dt:	200 uS	500 uS	500 uS	500 uS	500 uS	200 uS	300 uS	500 uS	500 uS	500 uS	1000 uS	1000 uS
Minimum Load Current:	50 mA	120 mA	250 mA	250 mA	250 mA	50 mA	250 mA	250 mA	250 mA	250 mA	500 mA	500 mA
Non -Repetitive Surge Current (1 Cycle):	83 A	250 A	625 A	520 A	1150 A	83 A	250 A	625 A	520 A	1150 A	1350 A	1800 A
Maximum off State Leakage Current (Rms):	10 mA	10 mA	10 mA	8 mA	10 mA	10 mA	10 mA	10 mA	10 mA	10 mA	5 mA	5 mA
Typical On-State Voltage Drop (Rms):	1.6 VAC	1.6 VAC	1.6 VAC	1.8 VAC	1.8 VAC	1.6 VAC	1.6 VAC	1.6 VAC	1.8VAC	1.8 VAC	1.8 VAC	1.8 VAC
Maximum I ² T for Fusing (A ² Sec):	83	250	625	1250	5000	72	312	1250	1035	2600	3500	5800
Suggested Heatsink °C/W:	3.2	0.5	0.2	0.014	0.14	3.2	0.5	0.2	0.14	0.14	0.14+fan	0.14+fan

Operating Frequency Range: 25 Hz to 70 Hz
Maximum Turn - On Time: 40 mS
Maximum Turn - Off Time: 80 mS

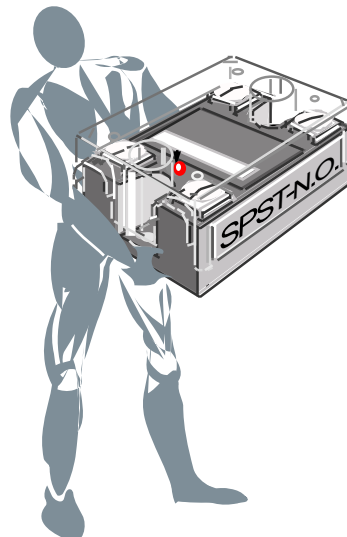
MISCELLANEOUS CHARACTERISTICS

Dielectric Strength (Input-to Output Isolation): 4000 V rms
Insulation Resistance: 10¹⁰ Ω min.
Operating Temperature Range: -40°C to +80°C
Storage Temperature Range: -40°C to +100°C
Weight: 10 amps to 50 amps: 100 grams approx.
75 amps to 125 amps: 250 grams approx.



FEATURES

- * RED L. E. D. STATUS LAMP
- * CLEAR SAFETY COVER
- * UP TO 660 VAC OUTPUTS
- * HIGH TRANSIENT CAPABILITY— SINGLE OUTPUT FEATURES BACK TO BACK SCR'S AND INTERNALLY MOUNTED RC (SNUBBER) NETWORK FOR HIGH DV/DT APPLICATIONS.
- * PHOTO-ISOLATED, ZERO VOLTAGE SWITCHING
- * OPTICALLY COUPLED FOR 4000 VAC ISOLATION BETWEEN INPUT AND OUTPUT AND RFI SUPPRESSION.
- * LIFETIME WARRANTY



PART NUMBERS	RATED LOAD CURRENT
W6210DSX-1	10 AMPS
*W6225DSX-1	25 AMPS
W6240DSX-1	40 AMPS
W6250DSX-1	50 AMPS
W6275DSX-1	75 AMPS
W6410DSX-1	10 AMPS
W6425DSX-1	25 AMPS
W6440DSX-1	40 AMPS
W6450DSX-1	50 AMPS
W6475DSX-1	75 AMPS
W6690DSX-1	90 AMPS
W66125DSX-1	125 AMPS

SEE END OF SECTION 2 FOR CROSS REFERENCE

* **CE** Approved

DDX SERIES
FOR D.C. SWITCHING 12 TO 40 AMPS

DC CONTROLLED INPUT
DC MOSFET OUTPUT
L. E. D. STATUS LAMP.

UL **us**
 UL Recognized
 File No. E52197

GENERAL SPECIFICATIONS

INPUT CHARACTERISTICS

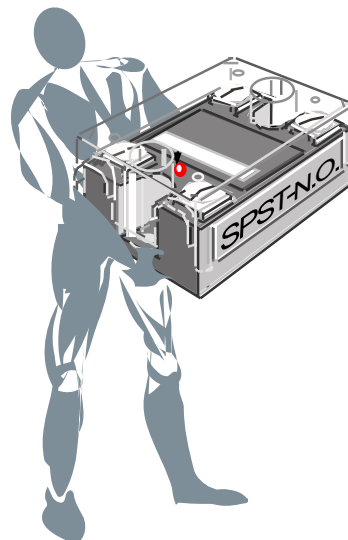
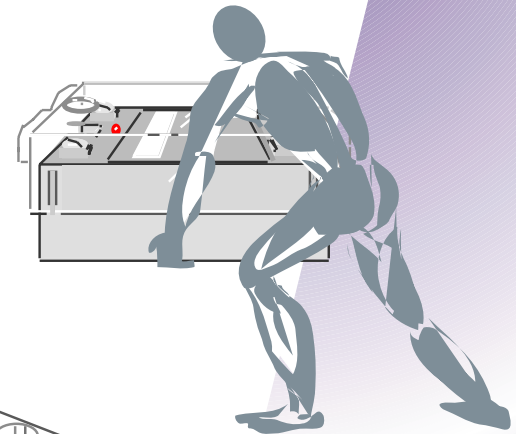
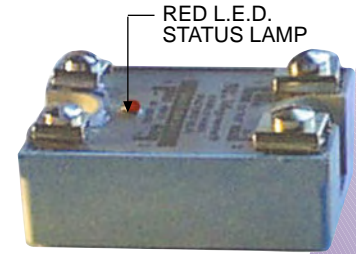
Control Voltage Range:	3 - 32 VDC
Typical Input Current:	10 mA
Must Release Voltage:	1 VDC
Power Indicator:	Red L. E. D. Status lamp

OUTPUT CHARACTERISTICS

	W62		
Load Voltage Range:	2 - 200 VDC		
Rated Load Current:	12 Amp	25 Amp	40 Amp
Minimum Load Current:	20 mA	20 mA	20 mA
Non -Repetitive Surge Current (1 Cycle):	27 A	50 A	90 A
Maximum Off State Leakage Current (Rms):	8 mA	8 mA	8 mA
Typical On-State Voltage Drop (Rms):	1.6 VAC	1.6 VAC	1.6 VAC
Suggested Heatsink °C/W:	1.0	0.5	0.14
Maximum Turn - On Time:	600 μ S		
Maximum Turn - Off Time:	2.6 mS		

MISCELLANEOUS CHARACTERISTICS

Dielectric Strength (Input-to Output Isolation):	2500 V rms
Insulation Resistance:	10 ¹⁰ Ω min.
Operating Temperature Range:	-40°C to +80°C
Storage Temperature Range:	-40°C to +100°C
Weight:	100 grams approx.



FEATURES

- * RED L. E. D. STATUS LAMP
- * CLEAR SAFETY COVER
- * UP TO 200 VDC OUTPUTS
- * 2500 VAC ISOLATION BETWEEN INPUT AND OUTPUT AND RFI SUPPRESSION.
- * LIFETIME WARRANTY

SEE END OF SECTION 2 FOR CROSS REFERENCE

PART NUMBERS	RATED LOAD CURRENT
W6212DDX-1	12 AMPS
W6225DDX-1	25 AMPS
W6240DDX-1	40 AMPS

**DTX SERIES
10 TO 40 AMPS**

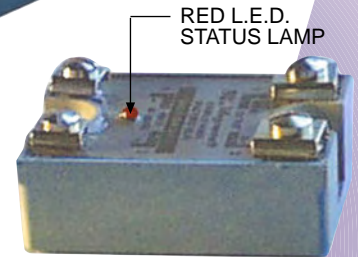
- DC CONTROLLED INPUT**
- AC TRIAC OUTPUT**
- L. E. D. STATUS LAMP.**
- NORMALLY OPEN OR**
- NORMALLY CLOSED CONTACTS.**

cRU us
UL Recognized
File No. E52197

GENERAL SPECIFICATIONS

INPUT CHARACTERISTICS

Control Voltage Range:	3 - 32 VDC
Typical Input Current:	W62: 2 mA; W64: 16 mA
Must Release Voltage:	1 VDC
Reverse Polarity Protection:	Yes
Power Indicator:	Red L. E. D. Status lamp



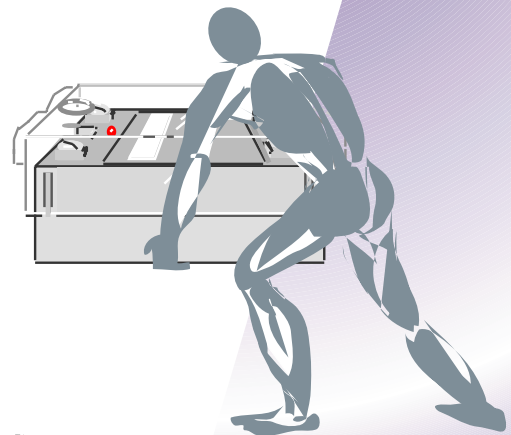
OUTPUT CHARACTERISTICS

Style:	W62			W64		
	24 - 280 VAC			48 - 480 VAC		
Load Voltage Range:	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:						

Operating Frequency Range:	25 Hz to 70 Hz
Maximum Turn - On Time:	40 mS
Maximum Turn - Off Time:	80 mS

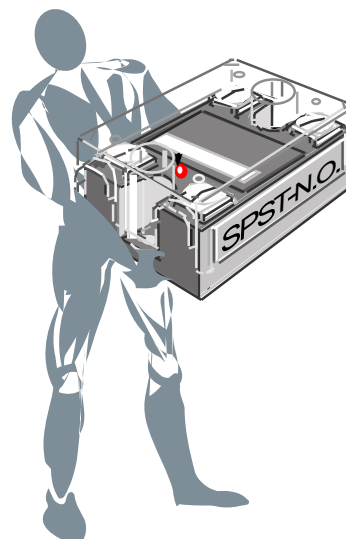
MISCELLANEOUS CHARACTERISTICS

Dielectric Strength (Input-to Output Isolation):	4000 V rms
Insulation Resistance:	10 ¹⁰ Ω Min.
Operating Temperature Range:	-40°C to +80°C
Storage Temperature Range:	-40°C to +100°C
Weight:	100 grams approx.



FEATURES

- * RED L. E. D. STATUS LAMP
- * CLEAR SAFETY COVER
- * UP TO 480 VAC OUTPUTS
- * HIGH TRANSIENT CAPABILITY—
SINGLE OUTPUT FEATURES TRIAC AND INTERNALLY MOUNTED RC (SNUBBER) NETWORK FOR HIGH DV/DT APPLICATIONS.
- * PHOTO-ISOLATED, ZERO VOLTAGE SWITCHING
- * OPTICALLY COUPLED FOR 4000 VAC ISOLATION BETWEEN INPUT AND OUTPUT AND RFI SUPPRESSION.
- * LIFETIME WARRANTY

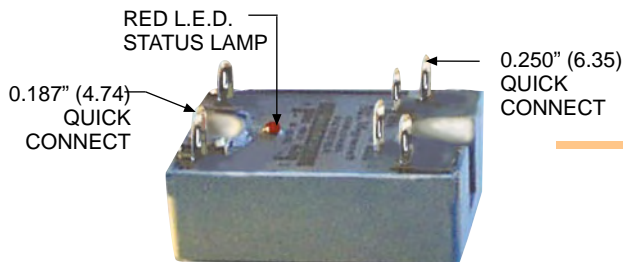


SEE END OF SECTION 2 FOR CROSS REFERENCE

PART NUMBERS	RATED LOAD CURRENT
NORMALLY OPEN CONTACTS	
W6210DTX-1	10 AMPS
W6225DTX-1	25 AMPS
W6240DTX-1	40 AMPS
W6410DTX-1	10 AMPS
W6425DTX-1	25 AMPS
W6440DTX-1	40 AMPS
NORMALLY CLOSED CONTACTS	
W6210DTX-4	10 AMPS
W6225DTX-4	25 AMPS
W6240DTX-4	40 AMPS

DTX SERIES DPST-N.O. 10 AMPS

DC CONTROLLED INPUT
AC DOUBLE-POLE OUTPUT
L. E. D. STATUS LAMP.

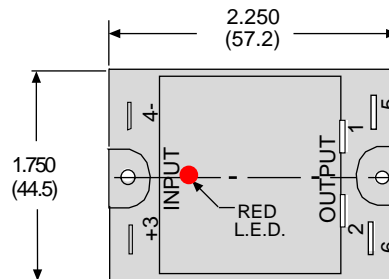


OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

GENERAL SPECIFICATIONS

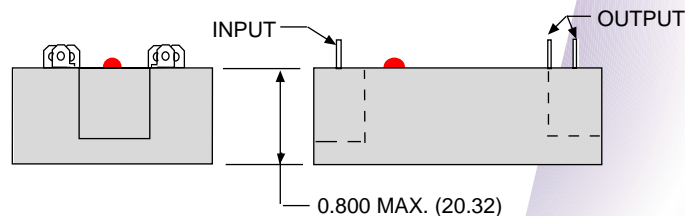
INPUT CHARACTERISTICS

Control Voltage Range:	3.5 - 32 VDC
Typical Input current:	2 mA
Must Release Voltage:	1 VDC
Reverse Polarity Protection:	Yes
Power Indicator:	Red L. E. D. Status lamp



OUTPUT CHARACTERISTICS

Load Voltage Range:	24-280 VAC
Rated Load Current:	10 amp
Maximum off-State Voltage dv/dt:	250 V/uSEC
Minimum Load Current:	50 mA
Non -Repetitive Surge Current (1 Cycle):	100 amp
Maximum Off State Leakage current (Rms):	10 mA
Typical On-State Voltage Drop (Rms):	1.6 VAC
Suggested Heatsink °C/W:	1
Operating Frequency Range:	25 Hz to 70 Hz
Maximum Turn - On Time:	1/2 Hz
Maximum Turn - Off Time:	1/2 Hz

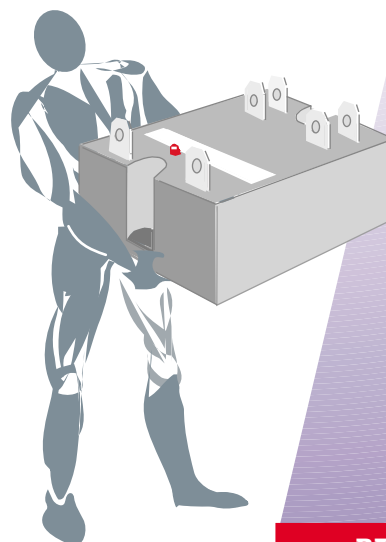


MISCELLANEOUS CHARACTERISTICS

Dielectric Strength (Input-to Output Isolation):	2500 V rms
Insulation Resistance:	10 ¹⁰ Ω
Operating Temperature Range:	-40°C to +80°C
Storage Temperature Range:	-40°C to +100°C
Weight:	100 grams approx.

FEATURES

- * RED L. E. D. STATUS LAMP
- * CLEAR SAFETY COVER
- * UP TO 280 VAC OUTPUTS
- * HIGH TRANSIENT CAPABILITY—
SINGLE OUTPUT FEATURES TRIAC AND INTERNALLY MOUNTED RC (SNUBBER) NETWORK FOR HIGH DV/DT APPLICATIONS.
- * PHOTO-ISOLATED, ZERO VOLTAGE SWITCHING
- * OPTICALLY COUPLED FOR 2500 VAC ISOLATION BETWEEN INPUT AND OUTPUT AND RFI SUPPRESSION.
- * LIFETIME WARRANTY



PART NUMBERS	RATED LOAD CURRENT
W6210DTX-3	10 AMPS