



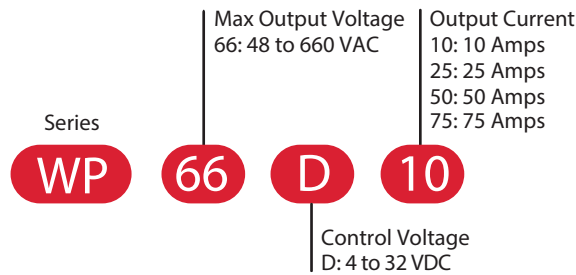
## WP Series

- Current ratings from 10 to 75 amps
- Output voltage 48-660 VAC
- LED input status indicator
- Available with IP20 "touch-safe" cover
- Transient protection built-in
- UL508 Endurance Rating (10-50A)
- UL Approved, CE Compliant to EN60950-1

### PRODUCT SELECTION

Control Voltage	10A	25A	50A	75A
3-32 VDC	WP66D10	WP66D25	WP66D50	WP66D75

### AVAILABLE OPTIONS



### OUTPUT SPECIFICATIONS (Voltage) (1)

Description	660 VAC
Operating Voltage (47-440Hz) [Vrms]	48-660
Transient Overvoltage [Vpk, t = 1 min.]	1200
Maximum Off-State Leakage Current @ Rated Voltage [mA rms]	0.25
Static off-state dv/dt (V <sub>us</sub> , T <sub>a</sub> = 25°C)	500

### OUTPUT SPECIFICATIONS (Current) (1)

Description	10A	25A	50A	75A
Maximum Load Current [Arms]	10A	25A	50A	75A
Minimum Load Current [mA rms]	50	50	100	100
1 cycle surge current (50Hz)	150	275	710	1050
1 cycle surge current (60Hz)	175	300	750	1100
1 second surge current (A <sub>pk</sub> , T <sub>a</sub> = 25°C) 50/60 Hz	50	85	150	225
Forward Voltage Drop (V <sub>pk</sub> @ I <sub>max</sub> , T <sub>a</sub> = 25°C)	1.35	1.35	1.35	1.3
I <sup>2</sup> T (50Hz, 1/2 cycle)	110	380	2520	5500
I <sup>2</sup> T (60Hz, 1/2 cycle)	120	370	2320	5000
Thermal Resistance Junction to baseplate (R <sub>jb</sub> ) [°C/W]	0.5	0.4	0.25	0.155
Minimum heat sink @ Ambient (for max current = °C/W & T <sub>a</sub> )	3.0 @ 70°C	1.5 @ 45°C	1.0 @ 40°C	0.7 @ 40°C

## INPUT SPECIFICATIONS (1)

Description	WPxxxx
Input Voltage Range	4-32 VDC
Minimum Turn-On Voltage	4.0 VDC
Drop out Voltage	1.0 VDC
Maximum Input Current	14mA
Minimum input current (for on-state)	7mA
Input Resistance	
Turn-on time	8.33ms
Turn-off time	8.33ms

## GENERAL SPECIFICATIONS

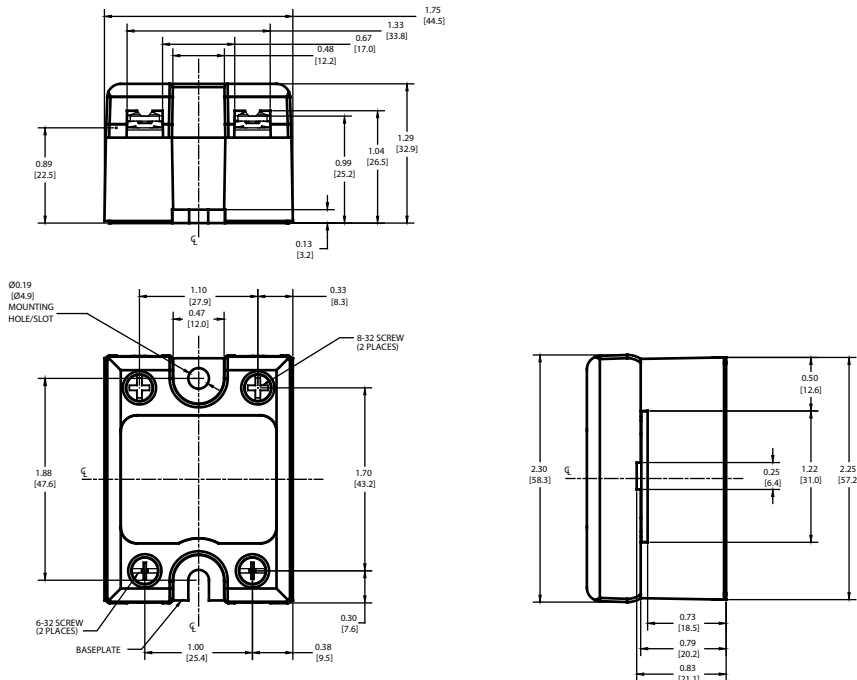
Description	Parameters
Ambient Operating Temperature Range (2)	-20 to 80 °C
Ambient Storage Temperature Range	-40 to 100 °C
Input to output isolation	4000 Vrms
Input/output to ground isolation	2500 Vrms
Input to output capacitance	8 pF
Housing Material	UL 94V0 (self extinguishing)
Status Indicating Display	Green LED
Weight (typical)	3.0 oz (86.5 g)
Input Terminal Screw Torque (6-32 screw) [in lbs/Nm]	8-10 / 0.9-1.1
Output Terminal Screw Torque (8-32 screw) [in lbs/Nm]	15-20 / 1.7-2.2

## GENERAL NOTES

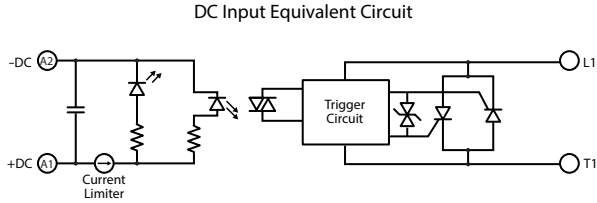
- 1) All parameters at 25°C unless otherwise specified.
- 2) Increase minimum input voltage by 1 Vdc for operation from -20° to -40°C

## MECHANICAL SPECIFICATIONS

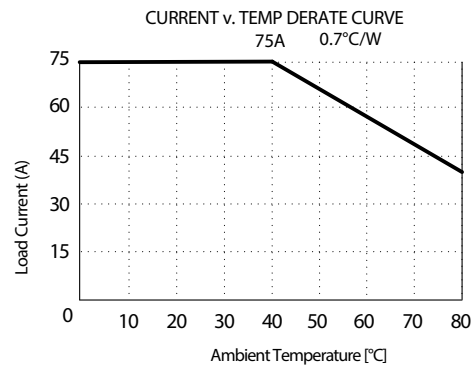
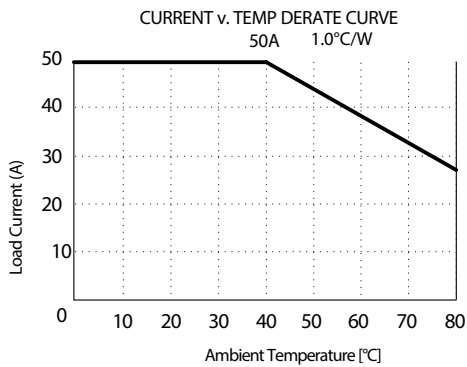
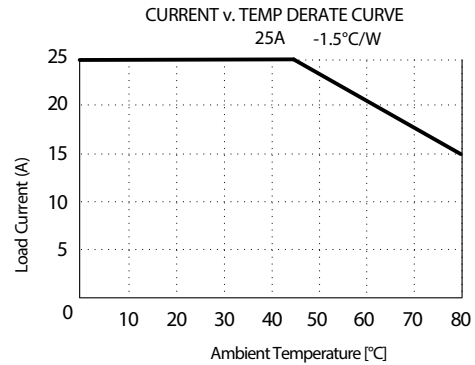
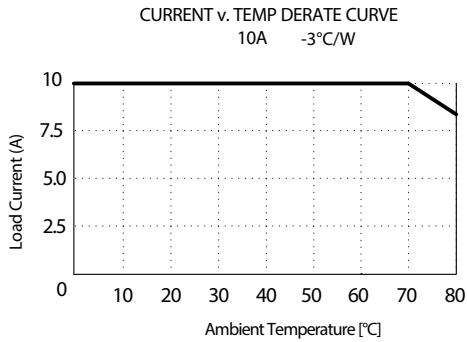
All dimensions are in inches (millimeters)



## WIRING DIAGRAM



## THERMAL DERATE INFORMATION



## AGENCY APPROVALS

Designed in accordance with the requirements of IEC 62314

EN60950 : Meets the requirements of sections 1.5: 1.7: 2.9: 2.10.5.3: 4.2: 4.5: 4.7:

IEC 1000-4-2 : Electrostatic Discharge – Level 3

IEC 1000-4-3 : Radiated Electromagnetic Noise – Level 3

IEC 1000-4-4 : Electrically Fast Transients – Level 3

IEC 1000-4-5 : Electrical Surges – Level 3

IEC 1000-4-6 : Conducted Electromagnetic Noise – Level 3

CISPIR 11 – Class A: Allowable Levels of Conducted and Radiated Noise for Industrial Environments



<p><b>HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.</b></p> <ul style="list-style-type: none"> <li>Disconnect all power before installing or working with this equipment.</li> <li>Verify all connections and replace all covers before turning on power.</li> </ul> <p><b>Failure to follow these instructions will result in death or serious injury.</b></p>	<p><b>RIESGO DE DESCARGA ELECTRICA O EXPLOSION.</b></p> <ul style="list-style-type: none"> <li>Desconectar todos los suministros de energia a este equipo antes de trabajar con este equipo.</li> <li>Verificar todas las conexiones y colocar todas las tapas antes de energizar el equipo.</li> </ul> <p><b>El incumplimiento de estas instrucciones puede provocar la muerte o lesiones serias.</b></p>	<p><b>RISQUE DE DESCARGE ELECTRIQUE OU EXPLOSION</b></p> <ul style="list-style-type: none"> <li>Eteindre toutes les sources d'énergie de cet appareil avant de travailler dessus de cet appareil</li> <li>Vérifier tous connections, et remettre tous couverts en place avant de mettre sous</li> </ul> <p><b>De non-suivi de ces instructions provoquera la mort ou des lésions sérieuses sérieuses.</b></p>	<p><b>GEFAHR EINES ELEKTRISCHE N SCHLAGES ODER EINER EXPLOSION.</b></p> <ul style="list-style-type: none"> <li>Stellen Sie jeglichen Strom ab, der dieses Gerät versorgt, bevor Sie an dem Gerät Arbeiten durchführen</li> <li>Vor dem Drehen auf Energie alle Anschlüsse überprüfen und alle Abdeckungen ersetzen.</li> </ul> <p><b>Unterlassung dieser Anweisungen können zum Tode oder zu schweren Verletzungen führen.</b></p>	<p><b>RISCHIO DI SCOSSA ELETTRICA O DELL'ESPLOSIONE.</b></p> <ul style="list-style-type: none"> <li>Spenga tutta l'alimentazione e che fornisce questa apparecchiatura prima del lavorare a questa apparecchiatura</li> <li>Verificare tutti i collegamenti e sostituire tutte le coperture prima della rotazione sull'alimentazione</li> </ul> <p><b>L'omissione di seguire queste istruzioni provocherà la morte o di lesioni serie</b></p>	<p>存在电击、爆炸或电弧闪烁危险</p> <ul style="list-style-type: none"> <li>在操作此设备之前请先关闭电源。</li> </ul> <p>若不遵守这些说明,可能会导致严重的人身伤害甚至死亡。</p>

<b>WARNING / AVERTISSEMENT / WARNUNG / ADVERTENCIA / AVVERTENZA / 警告</b>		
<p><b>RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE</b></p> <ul style="list-style-type: none"> <li>The product's side panels may be hot, allow the product to cool before touching.</li> <li>Follow proper mounting instructions including torque values.</li> <li>Do not allow liquids or foreign objects to enter this product.</li> </ul> <p><b>Failure to follow these instructions can result in serious injury, or equipment damage.</b></p>	<p><b>RISQUE DE DOMMAGE MATERIEL ET DE SURCHAUFFE DU BOITIER</b></p> <ul style="list-style-type: none"> <li>Les panneaux latéraux du produit peuvent être chauds. Laisser le produit refroidir avant de le toucher.</li> <li>Respecter les consignes de montage, et notamment les couples de serrage.</li> <li>Ne pas laisser pénétrer de liquide ni de corps étrangers à l'intérieur du produit.</li> </ul> <p><b>Le non-respect de cette directive peut entraîner, des lésions corporelles graves ou des dommages matériels.</b></p>	<p><b>GEFAHR VON MATERIALSCHÄDEN UND GEHÄUSEERHITZUNG</b></p> <ul style="list-style-type: none"> <li>Die Seitenwände können heiß sein. Lassen Sie das Produkt abkühlen, bevor Sie es berühren.</li> <li>Beachten Sie die Montageanweisungen,</li> <li>Führen Sie keine Flüssigkeiten oder Fremdkörper in das Produkt ein.</li> </ul> <p><b>Die Nichtbeachtung dieser Anweisung kann Körperverletzung oder Materialschäden zur Folge haben.</b></p>
<p><b>RIESGO DE DAÑOS MATERIALES Y DE SOBRECIENTAMIENTO DE LA UNIDAD</b></p> <ul style="list-style-type: none"> <li>Los paneles laterales del producto pueden estar calientes. Esperar que el producto se enfríe antes de tocarlo.</li> <li>Respetar las instrucciones de montaje, y en particular los pares de apretado.</li> <li>No dejar que penetren líquidos o cuerpos extraños en el producto.</li> </ul> <p><b>Si no se respetan estas precauciones pueden producirse graves lesiones, daños materiales.</b></p>	<p><b>RISCHIO DI DANNI MATERIALI E D'INVOLUCRO CALDO</b></p> <ul style="list-style-type: none"> <li>I pannelli laterali dell'apparecchio possono scottare; lasciar quindi raffreddare il prodotto prima di toccarlo.</li> <li>Seguire le istruzioni di montaggio corrette.</li> <li>Non far entrare liquidi o oggetti estranei in questo apparecchio.</li> </ul> <p><b>La mancata osservanza di questa precauzione può causare gravi rischi per l'incolumità personale o danni alle apparecchiature.</b></p>	<p>材料损坏和高温外壳的危险性</p> <ul style="list-style-type: none"> <li>产品的一侧面板可能很热, 在其冷却前请不要触碰。</li> <li>遵照正确的安装说明, 包括扭矩值。</li> <li>请勿让液体及其他异物进入本产品。</li> </ul> <p>如不能正确执行这些操作说明, 极有可能造成严重人体伤害或者设备的损坏。</p>

## ANNEX - ENVIROMENTAL INFORMATION

The environmental information disclosed in this annex including the EIP Pollution logo are in compliance with People's Republic of China Electronic Industry Standard SJ/T11364 – 2006, Marking for Control of Pollution Caused by Electronic Information Products.

Part Name	Toxic or hazardous Substance and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Semiconductor die	X	O	O	O	O	O
Solder	X	O	O	O	O	O

## 附件 - 环保信息

此附件所标示的包括电子信息产品污染图标的环保信息符合中华人民共和国电子行业标准 SJ/T11364 - 2006, 电子信息产品污染控制标识要求。

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
半导体芯片	X	O	O	O	O	O
焊接点	X	O	O	O	O	O



Brochures and datasheets are available for the complete range of WEST Control Solutions products, contact your local sales office for more information or visit our website at: [www.West-CS.com](http://www.West-CS.com)

DS-WD66-1-EN-1402

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