

北京(Beijing) 010-68008 911 进口固态继电器经销商 www.shuntu.net

广东省深圳 0755-83656701 在线查询 www.Omrons.com.cn 山东 0533-2855955

三相固态继电器 交流三相固态继电器 快达固态继电器漏电流低;

面板安装固态继电器 可移动防护罩; EMC 标准设计

PDF 固态继电器选型资料 SSR 固态继电器原理 什么是固态继电器 固态继电器资料

固态继电器型号

UL 认证, CE 认证直流固态继电器品牌 ssr 固态继电器 固态继电器价格

进口固态继电器

- 3相固态继电器; 25A, 50A 每相 @ 48-530 VAC
- IP00 或者 IP20
- 重载时SCR输出,
- AC 或 DC 控制
- Zero-crossing (resistive loads) or random-fire (inductive loads) output
- LED输入状态指示灯
- CE 认证 EN60950-1

型号	控制电压	最大负载电流	线电压范围	说明
A53TP25D	90-280 VAC	25 Amps	48-530 VAC	
A53TP25D-10	90-280 VAC	25 Amps	48-530 VAC	
A53TP50D	90-280 VAC	50 Amps	48-530 VAC	
A53TP50D-10	90-280 VAC	50 Amps	48-530 VAC	
B53TP25C	90-140 VAC	25 Amps	48-530 VAC	
B53TP25C-10	90-140 VAC	25 Amps	48-530 VAC	
B53TP25CH	90-140 VAC	25 Amps	48-530 VAC	
B53TP25CH-10	90-140 VAC	25 Amps	48-530 VAC	
B53TP50C	90-140 VAC	50 Amps	48-530 VAC	
B53TP50C-10	90-140 VAC	50 Amps	48-530 VAC	
B53TP50CH	90-140 VAC	50 Amps	48-530 VAC	
B53TP50CH-10	90-140 VAC	50 Amps	48-530 VAC	
C53TP25C	180-260 VAC	25 Amps	48-530 VAC	
C53TP25C-10	180-260 VAC	25 Amps	48-530 VAC	
C53TP25CH	180-260 VAC	25 Amps	48-530 VAC	
C53TP25CH-10	180-260 VAC	25 Amps	48-530 VAC	
C53TP50C	180-260 VAC	50 Amps	48-530 VAC	
C53TP50C-10	180-260 VAC	50 Amps	48-530 VAC	
C53TP50CH	180-260 VAC	50 Amps	48-530 VAC	
C53TP50CH-10	180-260 VAC	50 Amps	48-530 VAC	
D53TP25C	4-32 VDC	25 Amps	48-530 VAC	
D53TP25C-10	4-32 VDC	25 Amps	48-530 VAC	
D53TP25CH	4-32 VDC	25 Amps	48-530 VAC	
D53TP25CH-10	4-32 VDC	25 Amps	48-530 VAC	
D53TP25D	3-32 VDC	25 Amps	48-530 VAC	

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D53TP25D-10	3-32 VDC	25 Amps	48-530 VAC	
D53TP50C	4-32 VDC	50 Amps	48-530 VAC	
D53TP50C-10	4-32 VDC	50 Amps	48-530 VAC	
D53TP50CH	4-32 VDC	50 Amps	48-530 VAC	
D53TP50CH-10	4-32 VDC	50 Amps	48-530 VAC	
D53TP50D	3-32 VDC	50 Amps	48-530 VAC	
D53TP50D-10	3-32 VDC	50 Amps	48-530 VAC	
E53TP25C	18-36 VAC	25 Amps	48-530 VAC	
E53TP25C-10	18-36 VAC	25 Amps	48-530 VAC	
E53TP25CH	18-36 VAC	25 Amps	48-530 VAC	
E53TP25CH-10	18-36 VAC	25 Amps	48-530 VAC	
E53TP50C	18-36 VAC	50 Amps	48-530 VAC	
E53TP50C-10	18-36 VAC	50 Amps	48-530 VAC	
E53TP50CH	18-36 VAC	50 Amps	48-530 VAC	
E53TP50CH-10	18-36 VAC	50 Amps	48-530 VAC	
HS053-D53TP50D	3-32 VDC	82.5 A	48-530 VAC	1 Three Phase
HS103DR-D53TP25D	3-32 VDC	55 A	24-280 VAC	1 Three phase
HS103DR-D53TP50D	3-32 VDC	55 A	24-280 VAC	1 Three phase

53TP Series

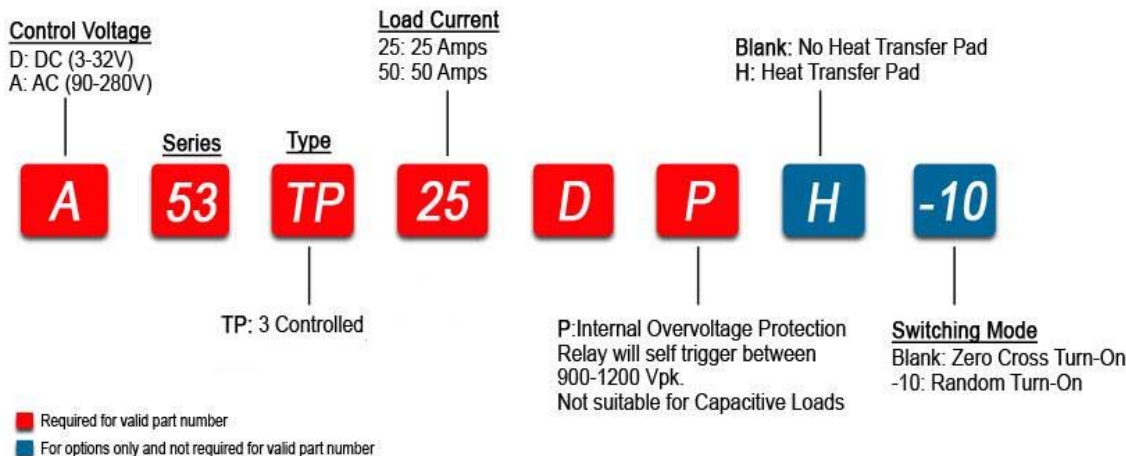


- Three-phase solid-state relay; Ratings 25A, 50A per phase @ 48-530 VAC
- 2 package styles IP00 or IP20 (See IP20 spec sheet for more information)
- SCR output for heavy industrial loads
- AC or DC control
- Zero-crossing (resistive loads) or random-fire (inductive loads) output
- LED input status indicator
- CE Compliant to EN60950-1

PRODUCT SELECTION

Control Voltage	25A IP00	50A IP00
3-32 VDC	D53TP25DP	D53TP50DP
90-280 VAC	A53TP25DP	A53TP50DP

AVAILABLE OPTIONS



OUTPUT SPECIFICATIONS (1)

Description	25 A	50 A
Operating Voltage (47-63Hz) [Vrms]	48-530	48-530
Transient Overvoltage [Vpk]	1200	1200
Maximum Off-State Leakage Current @ Rated Voltage [mA _{rms}]	10	10
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] (2)	500	500
Maximum Load Current (3) [A _{rms}]	25	50
Minimum Load Current [A _{rms}]	0.05	0.05
Maximum Surge Current (16.6ms) [A _{pk}]	250	625
Maximum On-State Voltage Drop @ Rated Current [Vpk]	1.6	1.6
Thermal Resistance Junction to Case (R _{jc}) [°C/W]	1.02	0.63
Maximum I ² t for Fusing (8.3 msec) [A ² sec]	260	1620
Minimum Power Factor (with Maximum Load)	0.5	0.5

INPUT SPECIFICATIONS (1)

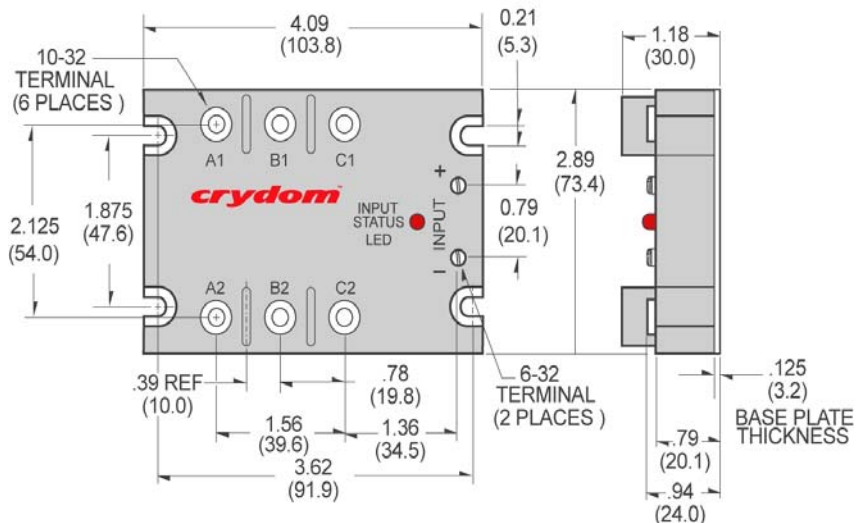
Description	D53TPxxDP	A53TPxxDP
Control Voltage Range	3-32 VDC	90-280 VAC
Minimum Turn-On Voltage	3.0 VDC	90 Vrms
Minimum Turn-Off Voltage	1.0 VDC	10 Vrms
Typical Input Current	10 mA @ 5 VDC	2.2 mA @ 120 Vrms, 4.4 mA @ 240 Vrms
Nominal Input Impedance	450 Ohm	54.8 k Ohm
Maximum Turn-On Time [msec] (4)	1/2 Cycle	10
Maximum Turn-Off Time [msec]	1/2 Cycle	40

GENERAL SPECIFICATIONS

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz)	4000 Vrms
Minimum Insulation Resistance (@ 500 V DC)	10 ⁹ Ohm
Maximum Capacitance, Input/Output	8 pF
Ambient Operating Temperature Range	-40 to 80°C
Ambient Storage Temperature Range	-40 to 125 °C
Weight (typical)	10.3 oz (315g)
Encapsulation	Thermally conductive Epoxy
Terminals	Screws and Saddle Clamps Furnished, Unmounted
Recommended Terminal Screw Torque Range:	6-32 Screws - 10 in lbs. 8-32 and 10-32 Screws -20 in. lbs. Screws dry without grease)

- 1) All parameters at 25°C unless otherwise specified.
- 2) Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.1.1.1
- 3) Heat sinking required, see page 3 for derating curves.
- 4) Turn-on time for Random turn-on versions is 0.02 msec (DC Control Models)

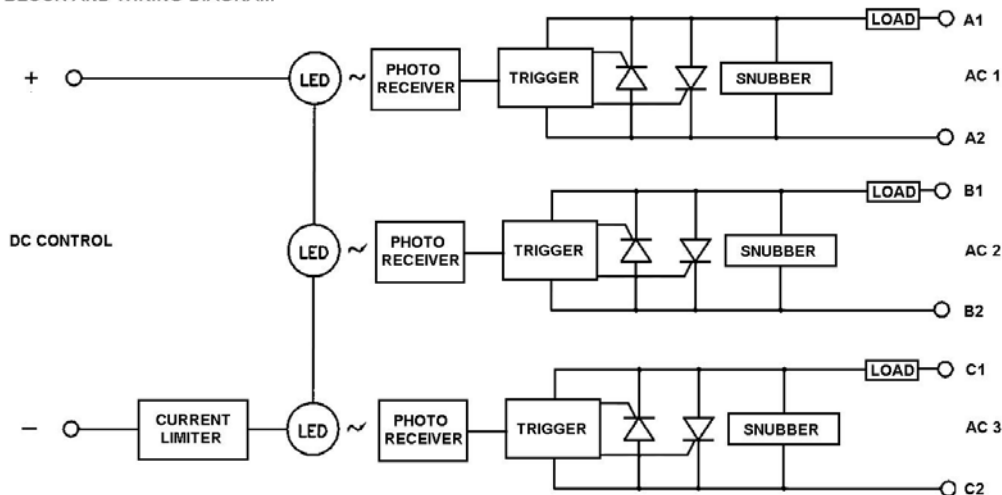
MECHANICAL SPECIFICATIONS



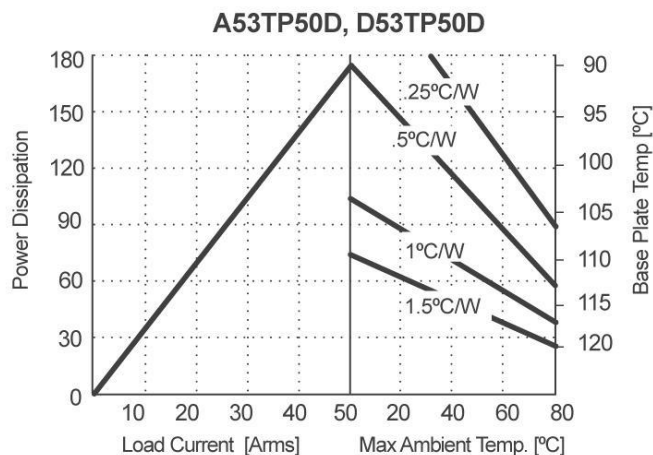
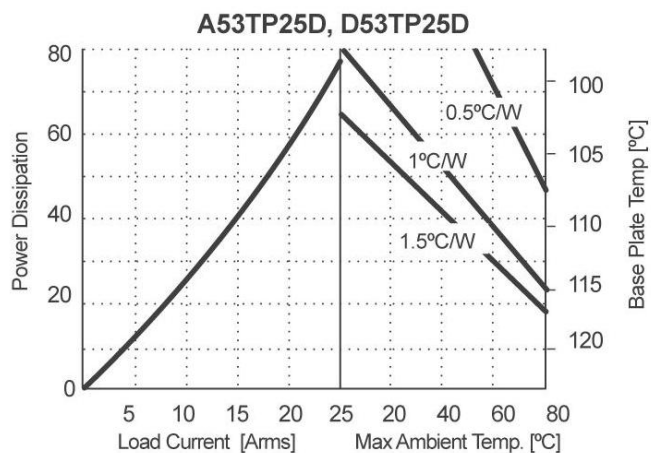
All dimensions are in inches (millimeters)

WIRING DIAGRAM

BLOCK AND WIRING DIAGRAM




THERMAL DERATE INFORMATION




AGENCY APPROVALS

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



 DANGER / PELIGRO / DANGER /GEFAHR / PERICOLO / PERIGO					
<p>HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.</p> <ul style="list-style-type: none"> • Disconnect all power before installing or working with this equipment. • Verify all connections and replace all covers before turning on power. <p>Failure to follow these instructions will result in death or serious injury.</p>	<p>RIESGO DE DESCARGA ELECTRICA O EXPLOSION.</p> <ul style="list-style-type: none"> • Desconectar todos los suministros de energia a este equipo antes de trabajar con este equipo. • Verificar todas las conexiones y colocar todas las tapas antes de energizar el equipo. <p>El incumplimiento de estas instrucciones puede provocar la muerte o lesiones serias.</p>	<p>RISQUE DE DESCARGE ELECTRIQUE OU EXPLOSION.</p> <ul style="list-style-type: none"> • Eteindre toutes les sources d'énergie de cet appareil avant de travailler dessus de cet appareil • Vérifier tous connections, et remettre tous couverts en place avant de mettre sous <p>De non-suivi de ces instructions provoquera la mort ou des lésions sérieuses.</p>	<p>GEFAHR EINES ELEKTRISCHE N SCHLAGES ODER EINER EXPLOSION.</p> <ul style="list-style-type: none"> • Stellen Sie jeglichen Strom ab, der dieses Gerät versorgt, bevor Sie an dem Gerät Arbeiten durchführen • Vor der Inbetriebnahme alle Anschlüsse überprüfen und alle Gehäuseeteile montieren. <p>Unterlassung dieser Anweisungen können zum Tode oder zu schweren Verletzungen führen.</p>	<p>RISCHIO DI SCOSSA ELETTRICA O DELL'ESPLOSIONE.</p> <ul style="list-style-type: none"> • Spenga tutta l'alimentazione e che fornisce questa apparecchiatura prima del lavorare a questa apparecchiatura • Verificare tutti i collegamenti e sostituire tutte le coperture prima della rotazione sull'alimentazione <p>L'omissione di seguire queste istruzioni provocherà la morte o di lesioni serie</p>	<p>RISCO DE DESCARGA ELÉTRICA OU EXPLOÇÃO</p> <ul style="list-style-type: none"> • Desconectar o equipamento de toda a energia antes de instalar ou trabalhar com este equipamento • Verificar todas as conexões e recolocar todas as tampas antes de religar o equipamento <p>O não cumprimento destas instruções pode levar a morte ou lesões sérias.</p>

 WARNING / AVERTISSEMENT / WARNUNG /ADVERTENCIA / AVVERTENZA / AVISO		
<p>RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE</p> <ul style="list-style-type: none"> • The product's side panels may be hot, allow the product to cool before touching. • Follow proper mounting instructions including torque values. • Do not allow liquids or foreign objects to enter this product. <p>Failure to follow these instructions can result in serious injury, or equipment damage.</p>	<p>RISQUE DE DOMMAGE MATERIEL ET DE SURCHAUFFE DU BOITIER</p> <ul style="list-style-type: none"> • Les panneaux latéraux du produit peuvent être chauds. Laisser le produit refroidir avant de le toucher. • Respecter les consignes de montage, et notamment les couples de serrage. • Ne pas laisser pénétrer de liquide ni de corps étrangers à l'intérieur du produit. <p>Le non-respect de cette directive peut entraîner, des lésions corporelles graves ou des dommages matériels.</p>	<p>GEFAHR VON MATERIALSCHÄDEN UND GEHÄUSEERHITZUNG</p> <ul style="list-style-type: none"> • Die Seitenwände können heiß sein. Lassen Sie das Produkt abkühlen, bevor Sie es berühren. • Beachten Sie die Montageanweisungen, • Führen Sie keine Flüssigkeiten oder Fremdkörper in das Produkt ein. <p>Die Nichtbeachtung dieser Anweisung kann Körperverletzung oder Materialschäden zur Folge haben.</p>
<p>RIESGO DE DAÑOS MATERIALES Y DE SOBRECIENTAMIENTO DE LA UNIDAD</p> <ul style="list-style-type: none"> • Los paneles laterales del producto pueden estar calientes. Esperar que el producto se enfríe antes de tocarlo. • Respetar las instrucciones de montaje, y en particular los pares de apretado. • No dejar que penetren líquidos o cuerpos extraños en el producto. <p>Si no se respetan estas precauciones pueden producirse graves lesiones, daños materiales.</p>	<p>RISCHIO DI DANNI MATERIALI E D'INVOLUCRO CALDO</p> <ul style="list-style-type: none"> • I pannelli laterali dell'apparecchio possono scottare; lasciar quindi raffreddare il prodotto prima di toccarlo. • Seguire le istruzioni di montaggio corrette. • Non far entrare liquidi o oggetti estranei in questo apparecchio. <p>La mancata osservanza di questa precauzione può causare gravi rischi per l'incolumità personale o danni alle apparecchiature.</p>	<p>RISCO DE DANO MATERIAL E DE AQUECIMENTO</p> <ul style="list-style-type: none"> • Os painéis laterais do produto podem estar quentes; dê tempo ao produto para arrefecer antes de lhe tocar. • Siga devidamente as instruções de montagem. • Não permita a entrada de líquidos e de objectos estranhos no produto. <p>A não observância destas precauções pode provocar a morte, ferimentos graves ou danos materiais.</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	○	○	○	○	○
Solder	X	○	○	○	○	○

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	○	○	○	○	○
焊接点	X	○	○	○	○	○