

阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .



Series HPF

20, 30Amp • 120/240/480 Vac • AC Output

- DIN Rail Mount
- Integral Heat sink
- LED Status Indicator
- SCR Output
- Zero Voltage and Random Turn-On Switching
- Low Leakage

The Series HPF Solid State Relays utilize Crydom's proprietary thermal management technology providing a compact and efficient design. Built-in DIN Rail attachment, easy-to-use cage type terminals and integral heat sinking complete the package. This compact new design offers up to 30Arms in ambient temperatures of 25°C.

Manufactured in Crydom's ISO 9002 Certified facility for optimum product performance and reliability.

MODEL NUMBERS	HPF240D20	HPF240D30	HPF480D20	HPF480D30
OUTPUT SPECIFICATIONS ①				
Operating Voltage (47-63 Hz) [Vrms]	12-280	12-280	48-660 ^⑥	48-660 ^⑥
Max. Load Current [Arms]	20	30	20	30
Min. Load Current, [mArms]	150	150	150	150
Transient Overvoltage [Vpk]	600	600	1200	1200
Max. Surge Current, (16.6ms) [Apk]	250	625	250	625
Max. On-State Voltage Drop @ Rated Current [Vpk]	1.6	1.4	1.6	1.4
Maximum I ² t for Fusing, (8.3 msec.) [I ² sec]	260	1620	260	1620
Max. Off-State Leakage Current @ Rated Voltage [mArms] ②	0.1	0.1	0.1	0.1
Min. Off-State dv/dt @ Max. Rated Voltage [V/μsec] ③	500	500	500	500
Max. Turn-On Time ④	1/2 Cycle	1/2 Cycle	1/2 Cycle	1/2 Cycle
Max. Turn-Off Time	1/2 Cycle	1/2 Cycle	1/2 Cycle	1/2 Cycle
Power Factor (Min.) with Max. Load	0.5	0.5	0.5	0.5

INPUT SPECIFICATIONS ①

	(HPF240Dxx)	DC CONTROL	(HPF480Dxx)
Control Voltage Range	4-32 Vdc		4.5-32 Vdc
Max. Turn-On Voltage	5.0 Vdc		5.0 Vdc
Min. Turn-Off Voltage	1.0 Vdc		1.0 Vdc
Nominal Input Impedance	See Note ⑤		See Note ⑤
Typical Input Current @ 5Vdc	5 mAdc		5 mAdc
Typical Input Current @ 20Vdc	20 mAdc		20 mAdc

GENERAL NOTES

©1998 CRYDOM CORP, Specifications subject to change without notice.

- ① All parameters at 25°C unless otherwise specified.
- ② Off-State leakage for snubbered version (S suffix) is 10 mArms
- ③ Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1
- ④ Turn-on time for random turn-on version is 0.02 msec.
- ⑤ Input circuitry incorporates active current limiter.
- ⑥ Operating voltage range for snubbered version (S-suffix) is 48-530 Vrms.

For recommended applications and more information contact:

USA: (800) 8 CRYDOM • (800) 827-9366 • (619) 715-7200 • fax (619) 715-7280
9525 Chesapeake Drive, San Diego, CA 92123 • e-mail: sales@crydom.com

WEB SITE: <http://www.crydom.com> FASTFAX Product Information: (888) 267-9191

UK: (44)1202 812300 • fax (44)1202 812340

85, Condor Close, Woolsbridge Industrial Estate, Three-Legged Cross, Wimborne, Dorset, England BH21 6SU

GERMANY: (49)871 935405 • fax (49)871 935407, Aussere Parkstr.5, D-84032 Altdorf, Germany





Series HPF

20, 30Amp • 120/240/480 Vac • AC Output

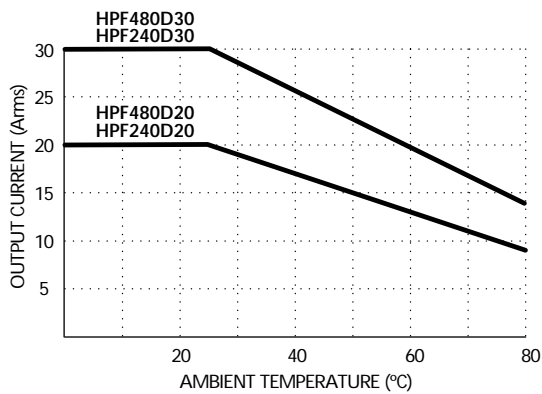
GENERAL SPECIFICATIONS

Dielectric Strength 50/60Hz Input/Output/Base	4000 Vrms
Insulation Resistance (Min.) @ 500 Vdc	10 ⁹ Ohm
Max. Capacitance Input/Output	8 pF
Ambient Operating Temperature Range	-40 to 80°C
Ambient Storage Temperature Range	-40 to 125°C

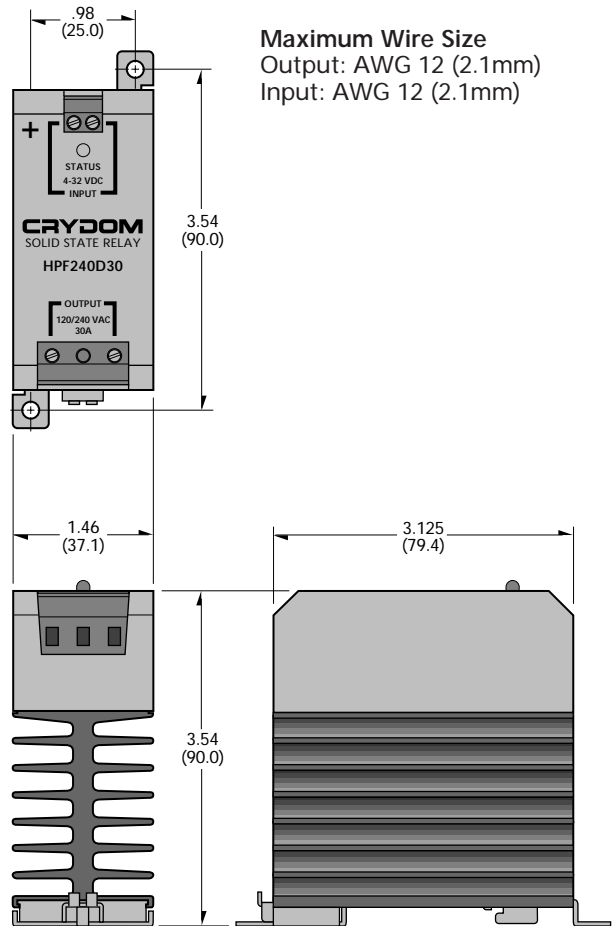
MECHANICAL SPECIFICATIONS

Weight: (typical)	9.2 oz. (260g)
Encapsulation:	Thermally Conductive Epoxy
Terminals:	Cage Type,
Maximum Wire Size:	AWG 8 (3.3mm)

CURRENT DERATING CURVES



HPF Max. Output Current vs. Temp.



All dimensions are in inches (millimeters)

AVAILABLE OPTIONS

- R** Random Turn-On
Example: **HPF480D30R**
- S** Internal Snubber
Example: **HPF240D20RS**

APPROVALS

PENDING

For recommended applications and more information contact:

USA: (800) 8 CRYDOM • (800) 827-9366 • (619) 715-7200 • fax (619) 715-7280
9525 Chesapeake Drive, San Diego, CA 92123 • e-mail: sales@crydom.com

WEB SITE: <http://www.crydom.com> FASTFAX Product Information: (888) 267-9191

UK: (44)1202 812300 • fax (44)1202 812340

85, Condor Close, Woolsbridge Industrial Estate, Three-Legged Cross, Wimborne, Dorset, England BH21 6SU

GERMANY: (49)871 935405 • fax (49)871 935407, Aussere Parkstr.5, D-84032 Altdorf, Germany

