

crydomTM **PFE380D25-MS21**

Up to 10Amp - 500Vac OUTPUT

- **DIN Rail (TS35) Mount**
- **Ultra High Steady State Current Rating**
- **Low Leakage (Off-State)**
- **Input Status LED**

Crydom's PowerFit[®] series delivers the highest ratings of any single in-line package (SIP). Mounted on a DIN rail carrier.

Built-in advantages include Surface Mount Technology and SCR output.

MODEL NUMBERS	DC CONTROL (24Vdc)
OUTPUT SPECIFICATIONS (1)	PFE380D25-MS21
Operating Voltage (47-63 Hz) [Vrms]	48-500
Load Current Range [Arms] At 25degC ambient	0.06 - 10
Transient Overvoltage [Vpk]	1200
Max. Surge Current, (16.6ms) [Apk]	250
Max. On-State Voltage Drop @ Rated Current [Vpk]	1.6
Maximum I ² t for Fusing, (8.3 msec.) [A ² sec]	260
Max. Off-State Leakage Current @ Rated Voltage [mArms]	0.1
Min. Off-State dv/dt @ Max. Rated Voltage [V/μsec] (2)	500
Max. Turn-On Time (3)	1/2 Cycle (DC Control)
Max. Turn-Off Time	1/2 Cycle (DC Control)
Power Factor (Min.) with Max. Load	0.5

INPUT SPECIFICATIONS (1)	DC CONTROL
Nominal Voltage	24Vdc
MODEL NUMBERS	PFE380D25-MS21
Control Voltage Range	15-32 Vdc
Max. Turn-On Voltage	15.0 Vdc
Min. Turn-Off Voltage	1.0 Vdc
Nominal Input Impedance	960 Ohm
Typical Input Current @ Nominal Voltage	25 mA _{dc}

GENERAL NOTES

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- 1) All parameters at 25°C unless otherwise specified.
- 2) Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1
- 3) Turn-On Time for Random Turn-On versions 0.1msec (DC Control Models).

For recommended applications and more information contact:

USA: Sales Support (877) 502-5500 **Tech Support** (877) 702-7700 **FAX** (619) 710-8540
Crydom Corp, 2320 Paseo de las Americas, Ste. 201, San Diego, CA 92154

Email: sales@crydom.com **WEB SITE:** http://www.crydom.com

UK: +44 (0)1202 365070 • **FAX** +44 (0)1202 365090 Crydom International Ltd., 7 Cobham Road, Ferndown Industrial Estate, Ferndown, Dorset BH21 7PE, **Email:** intsales@crydom.com.

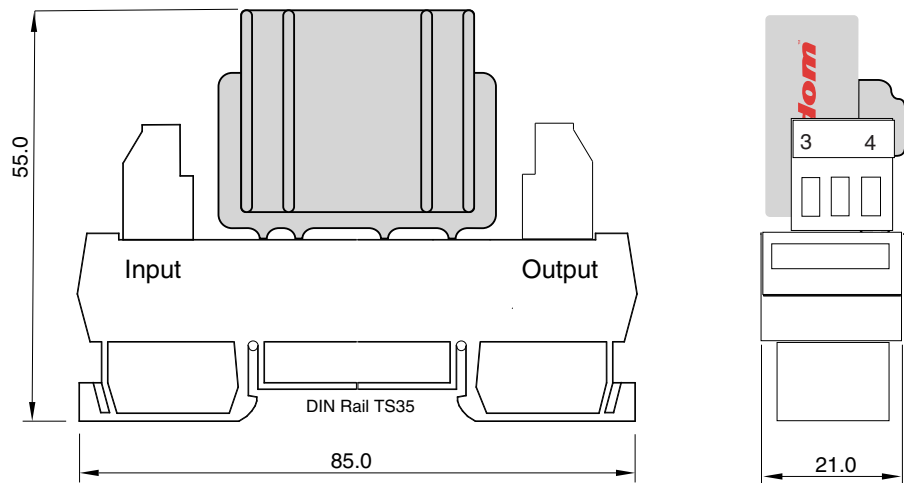
GERMANY: +49 (0)180 3000 506

GENERAL SPECIFICATIONS

Dielectric Strength 50/60Hz Input/Output/Base	4000 Vrms
Insulation Resistance (Min.) @ 500 Vdc	10 ⁹ Ohm
Max. Capacitance Input/Output	10 pF
Ambient Operating Temperature Range	-30 to 80 °C
Ambient Storage Temperature Range	-30 to 80 °C

MECHANICAL SPECIFICATIONS

Weight: (typical)	56 grms
Encapsulation (SSR):	Thermally Conductive Epoxy



All dimensions are in millimeters (not to scale)
Carrier and terminal colour is orange

Terminal Markings:-


Input:- A2- and A1+

Output:- 3 and 4

AVAILABLE OPTIONS

R Random Turn-On Switching
Example: **PFE380D25R-MS21**

APPROVALS - SSR ONLY

UL E116950 
VDE 70938 (DC Control Only)

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