

PGM10N/F

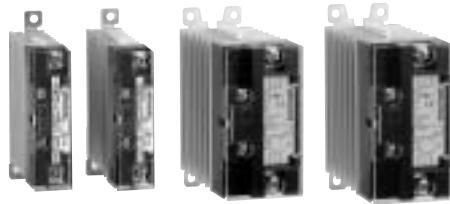
Solid State Relays

The PGM10N and PGM10F are solid state relays with zero-cross functions for single phase power.

They are used to control heating in conjunction with time proportioning voltage pulse output controllers.



PGM10N



PGM10F

Specifications

Model No.	Model without heat sink			Model with heat sink			
	PGM10N015	PGM10N025	PGM10N045	PGM10F015	PGM10F025	PGM10F035	PGM10F045
Maximum load current	15A	25A	45A	15A	25A	35A	45A
Input voltage range	3.5 to 30Vdc			4.5 to 30Vdc			
Input current	10mA max.			12mA max.			
Pick-up voltage	3.5Vdc max.			4.5Vdc max.			
Drop-out voltage	1Vdc min.						
Load voltage range	35 to 264Vac			60 to 280Vac			
Max. surge current for 1 cycle (peak value)	150A (1 cycle)	225A (1 cycle)	440A (1 cycle)	150A (1 cycle)	250A (1 cycle)	350A (1 cycle)	450A (1 cycle)
Turn-on time	1/2 cycle + 1ms max.						
Turn-off time	1/2 cycle + 1ms max.						
Output ON voltage drop	1.5V(RMS) max.			1.6V(RMS) max.			
Leakage current	12mA max.			9mA max.			
Ambient temperature	-20 to +80°C						
Approval	CSA, cUL, CE, TÜV			UL, cUL			
Mass	65g	100g		220g			390g

Selection Guide

I

II

Example: PGM10N015

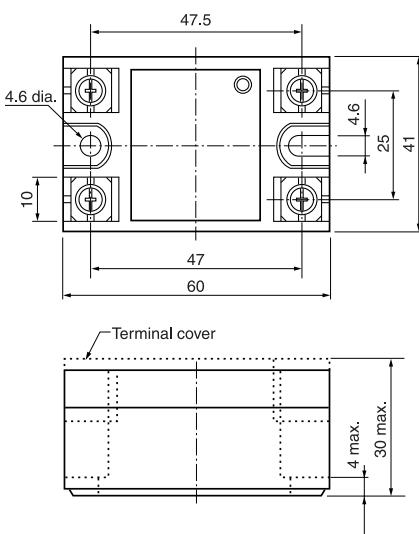
Segment	Model No. selection	Description	
		PGM10N	PGM10F
I	Basic No.	SSR without heat sink	SSR with heat sink
	015	<input type="radio"/>	<input checked="" type="radio"/>
	025	<input type="radio"/>	<input checked="" type="radio"/>
	035	<input type="radio"/>	<input checked="" type="radio"/>
	045	<input type="radio"/>	<input checked="" type="radio"/>

* A circle (○) denotes availability.

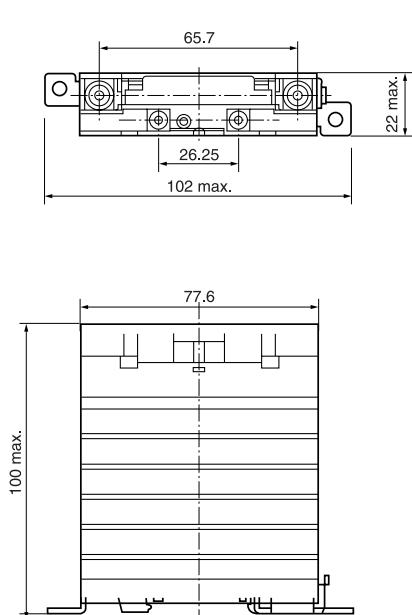
Dimensions

(Unit: mm)

• PGM10N



• PGM10F015/025



• PGM10F035/045

