

SSR

240V 15 / 25A (RMS)

PHA15DW2RP PHA15DW2RPS

PHA25DW2RP PHA25DW2RPS

Function

- * Single Pole, Single Throw Normally Open
- * With Zero Crossing Voltage Switching Circuit
- * Equipped Heat Sink Standard

Futures

- * Easy Installation with DIN Rail Mounting
- * Low Noise Switching and Rush Current
- * Space Save Mounting
- * High Voltage Isolation



Characteristics and Ratings

Parameter	Symbol	Characteristics / Ratings				Unit
		PHA15DW2RP	PHA15DW2RPS	PHA25DW2RP	PHA25DW2RPS	

Output

Rated Voltage	$V_{(RMS)}$	240				V
A.C. Line Voltage Range	$V_{(RMS)}$	60 to 280				V
Operating Frequency	f	47 to 63				HZ
Maximum Load Current	$I_{T(RMS)}$	15		25	A	
Non-repetitive One Cycle Surge Current	I_{TSM}	150		250	A	
Minimum Operating Current	$I_{op(RMS)}$	100				mA
Maximum off-state Leakage Current	$I_{leak(RMS)}$	9.0				mA
Maximum on-state Voltage Drop	$V_{T(RMS)}$	1.6				V
Response Time	$T_{(tps)}$	1/2 Cycle + 1mS				-

Input

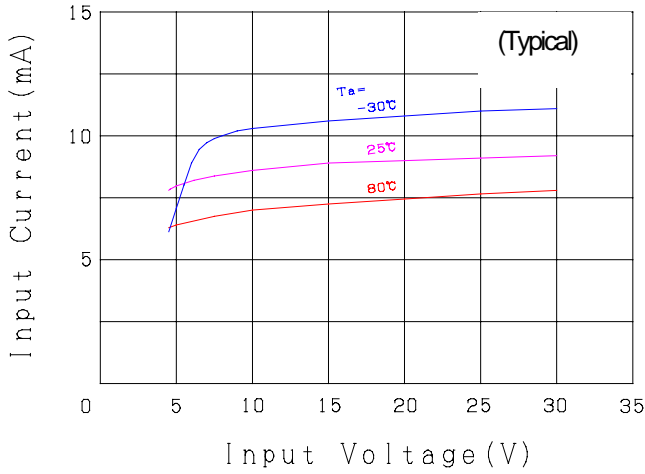
Control Signal Voltage Range	$I_{(NDC)}$	4.5 to 30				V
Input Current	$I_{(DC)}$	10				mA
Pick-up Voltage	PUV	4.5				V
Drop-out Voltage	DOV	1.0				V

Input/Output

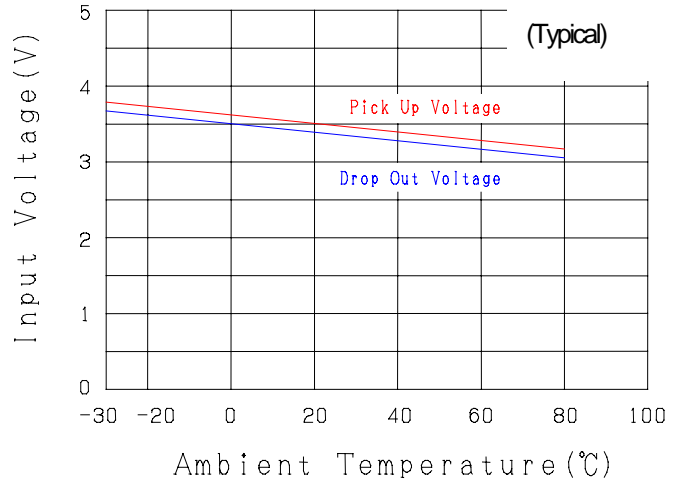
AC Isolation Voltage (Between Input, Output Terminals and Base)	$V_{iso(RMS)}$	2500	4000 *1	2500	4000 *1	V
Capacitance (Between input and output)	$C_{(io)}$	100				pF
Operating Temperature Range	T_{op}	-30 to +80				°C
Storage Temperature Range	T_{stg}	-35 to +100				°C

*1: When the maximum insulation characteristic is necessary, we recommended the use of the insulation sheet.

Input Current VS. Input Voltage

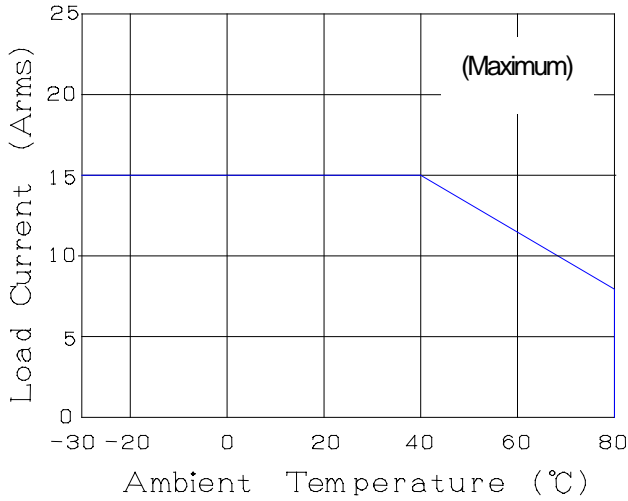


Input Characteristics VS. Ambient Temperature

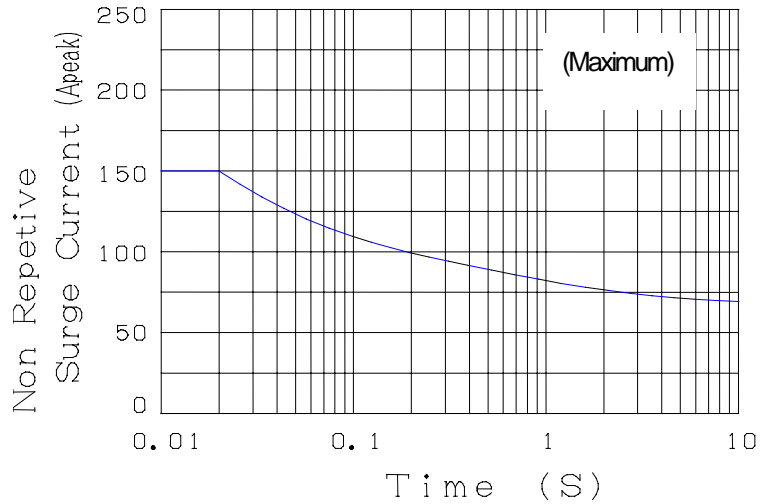


PHA15DW2RP / PHA15DW2RPS

Use of Thermal Curves

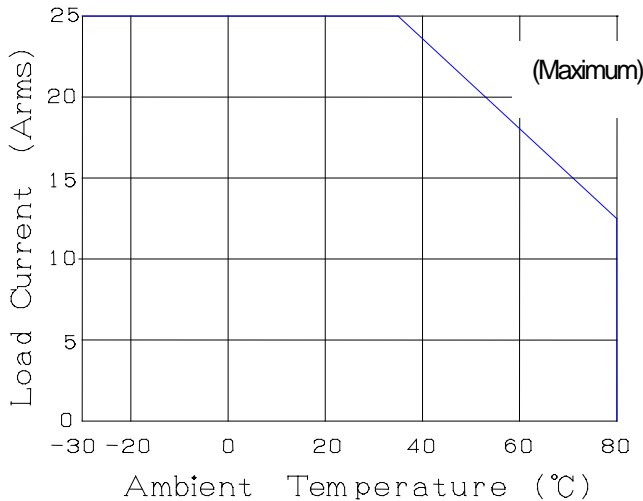


Surge Current VS Duration

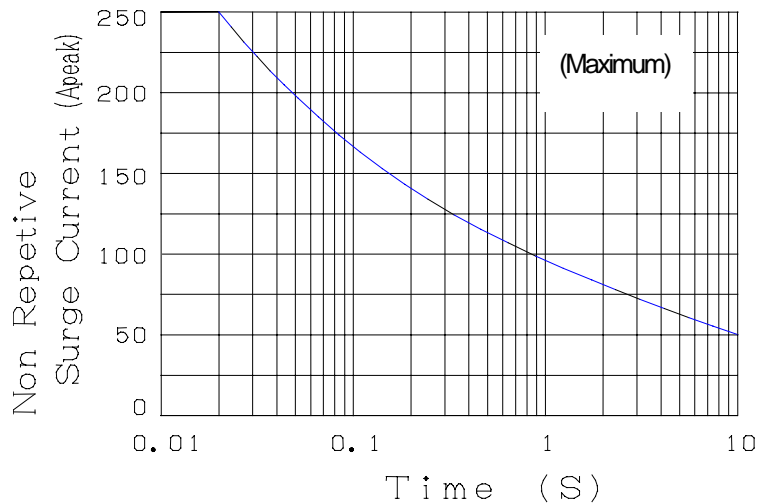


PHA25DW2RP / PHA25DW2RPS

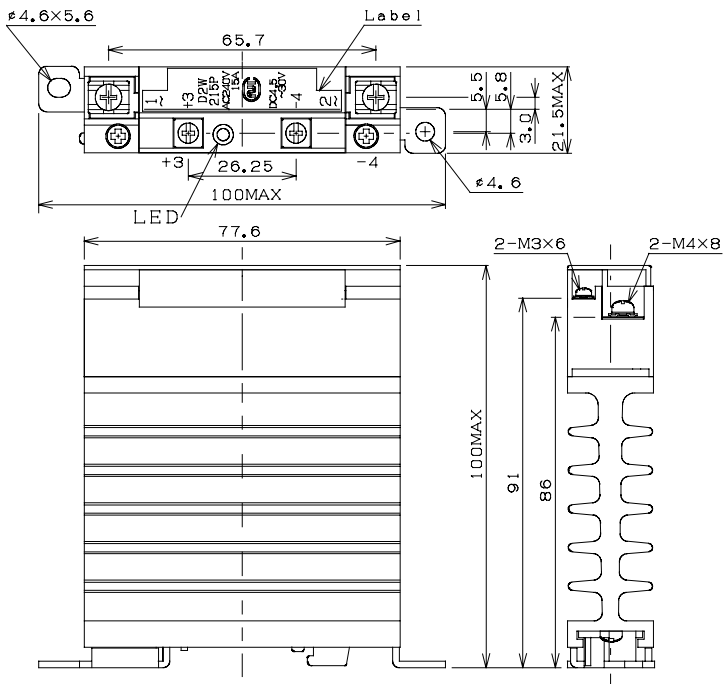
Use of Thermal Curves



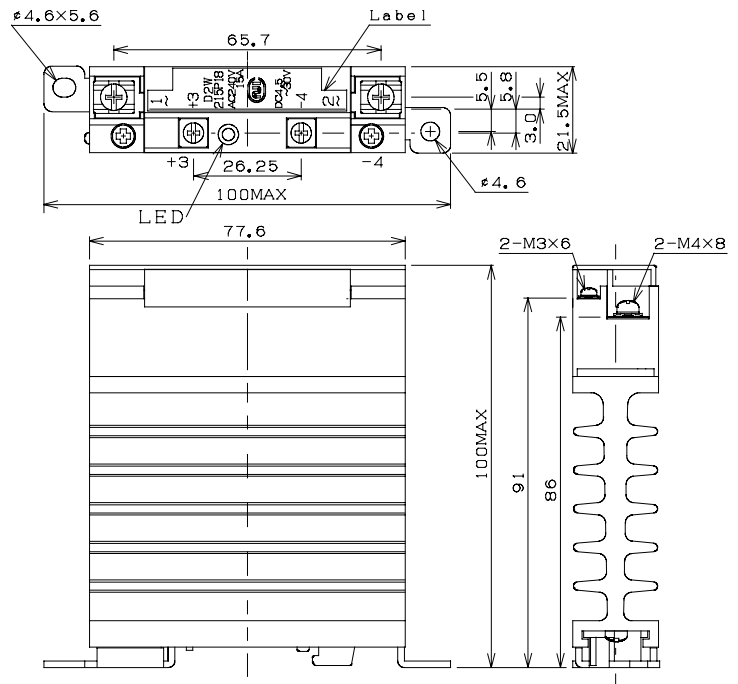
Surge Current VS Duration



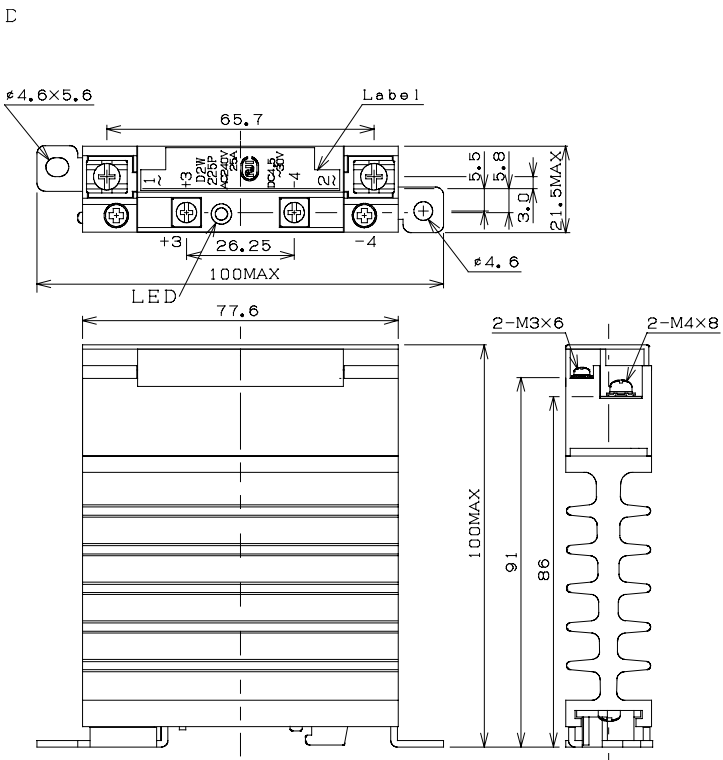
PHA15DW2RP OUT LINE DRAWING



PHA15DW2RPS OUT LINE DRAWING



PHA25DW2RP OUTLINE DRAWING



PHA25DW2RPS OUTLINE DRAWING

