

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 _(tp)	1/2 Cycle + 1mS			-

Input

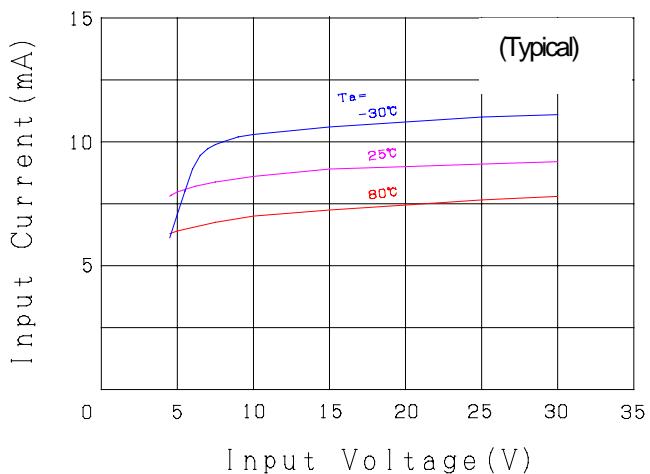
Control Signal Voltage Range	I _{IN(DC)}	4.5 to 30			V
Input Current	I _{F(DC)}	10			mA
Pick-up Voltage	PUV	4.5			V
Drop-out Voltage	DOV	1.0			V

Input/Output

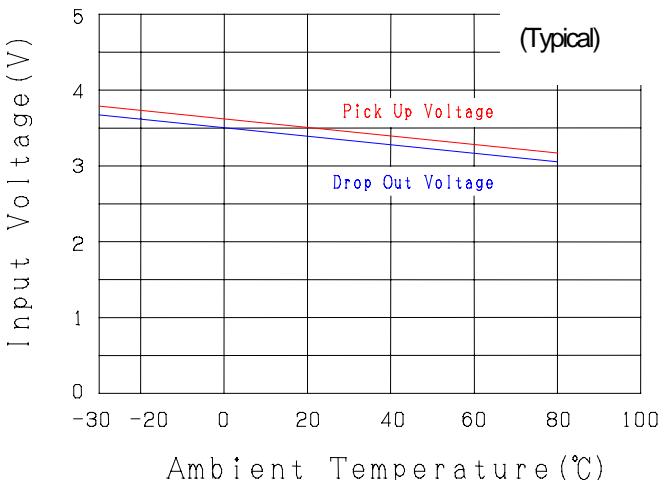
AC Isolation Voltage (Between Input, Output Terminals and Base)	V _{iso(RMS)}	2500	4000 *1	2500	4000 *1	V
Capacitance (Between input and output)	C _(i,o)	100			pF	
Operating Temperature Range	T _{op}	-30 to +80			°C	
Storage Temperature Range	T _{sig}	-35 to +100			°C	

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

Input Current VS. Input Voltage

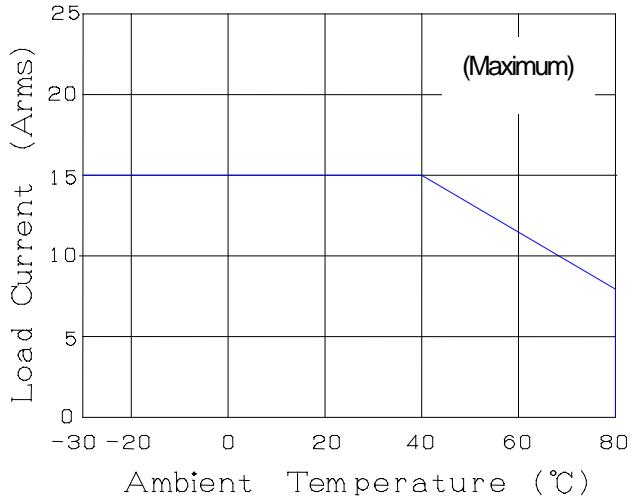


Input Characteristics VS. Ambient Temperature

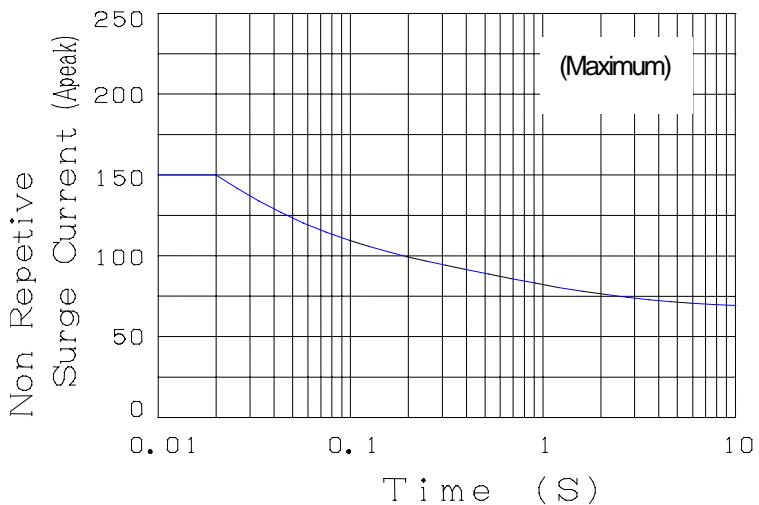


PHA15DW2RP / PHA15DW2RPS

Use of Thermal Curves

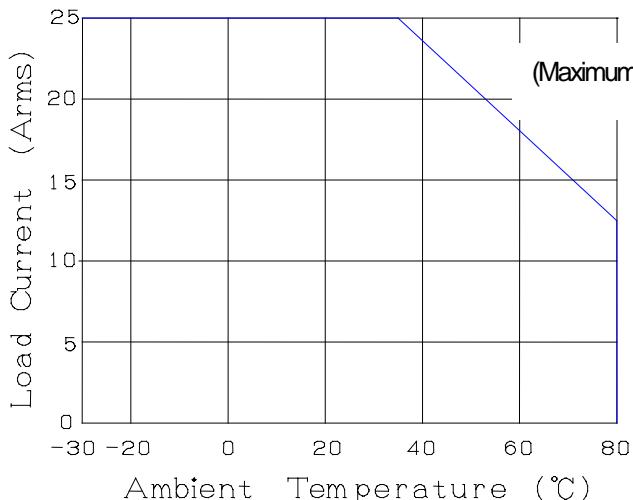


Surge Current VS Duration

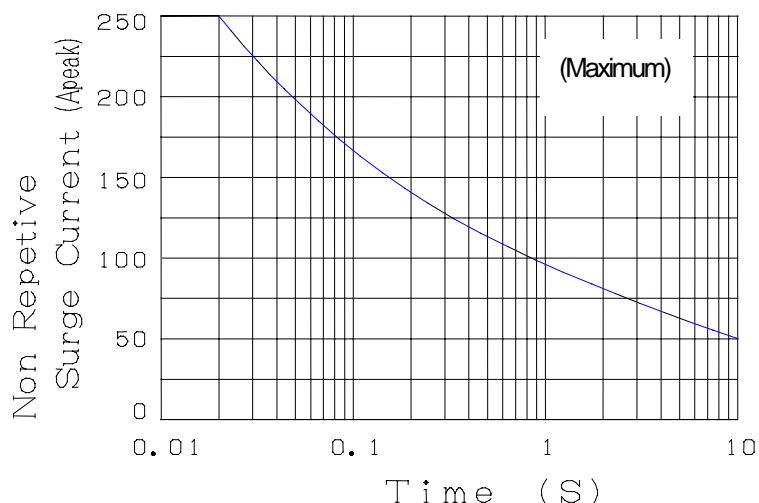


PHA25DW2RP / PHA25DW2RPS

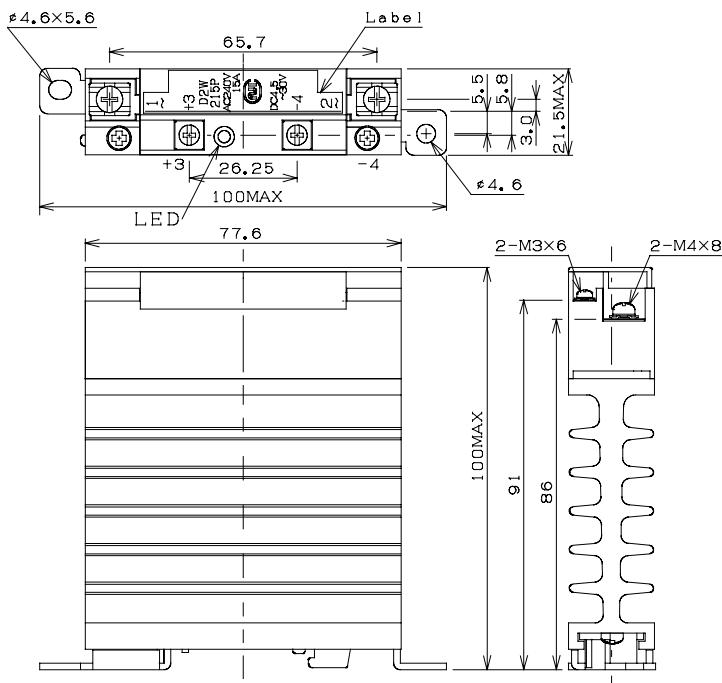
Use of Thermal Curves



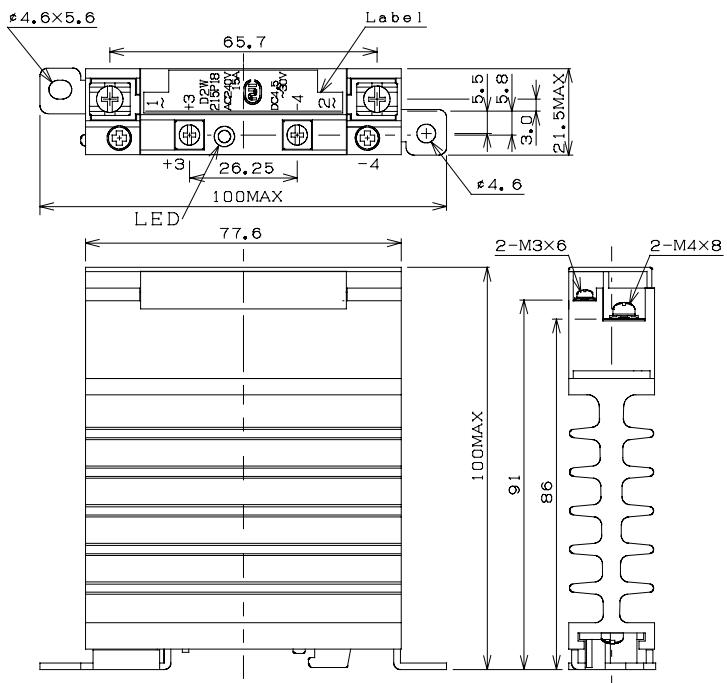
Surge Current VS Duration



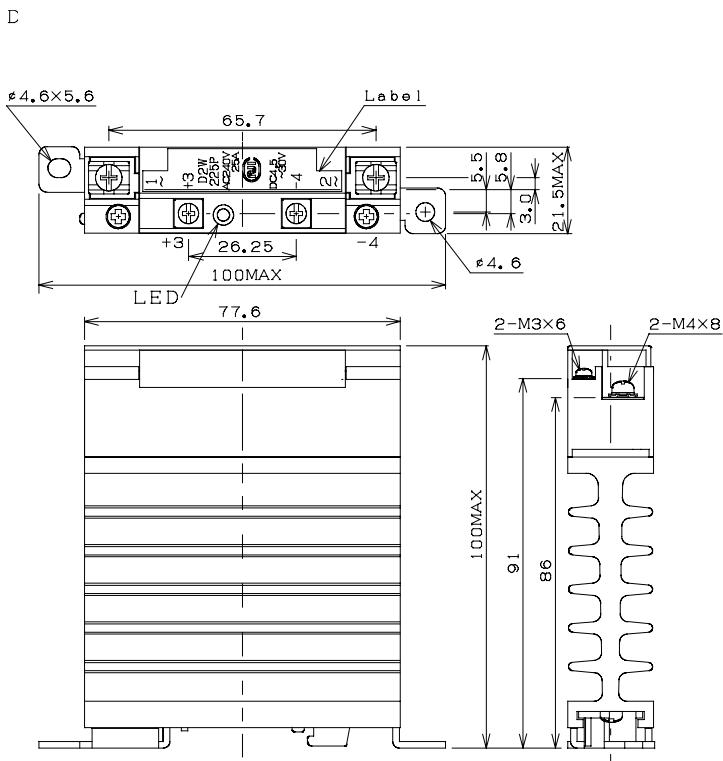
PHA15DW2RP OUT LINE DRAWING



PHA15DW2RPS OUT LINE DRAWING



PHA25DW2RP OUTLINE DRAWING



PHA25DW2RPS OUTLINE DRAWING

