



- »Dimmer regulator by phase start cut
- »3 control ranges: 0 - 5 Vdc, 0 - 10 Vdc, 4 - 20 mA
- »Maximum current according to model: 60, 80, 100, 200, 300, 400A.
- »Operating range output: 20 - 480 VAC.
- »Frequency range: 50 - 60 Hz.
- »Maximum non-repetitive voltage peak: 850 Vp.
- »IP20

References

Control Voltage	Operacional Voltage	Operacional Current	Reference	Heatsink Reference
0 - 5 Vdc 0 - 10 Vdc 4 - 20 mA	480 VAC	25 A	RS1APIV5MIX480025R	RSH-060
		40 A	RS1APIV5MIX480040R	RSH-061
		60 A	RS1APIV5MIX480060R	RSH-038
		80 A	RS1APIV5MIX480080R	RSH-038
		100 A	RS1APIV5MIX480100R	RSH-039
		200 A	RS1APIV5MIX480200R	RSH-039
		300 A	RS1APIV5MIX480300R	RSH-039 VENT
		400 A	RS1APIV5MIX480400R	RSH-039 VENT

General specifications

Dielectric isolation between input and output	2.500 VAC
Operating temperature	-40 °C a 80 °C
Storage temperature	-45 °C a 85 °C
Thermal resistance between joint and housing	2.5° C/W(25A)
	0.5° C/W(80A)
	1.25° C/W(40A)
	0.3° C/W(100A)
	0.65° C/W(60A)
Operating environmental humidity up to	0.85
CE Marking	Si

Input specifications

	entrada VDC	Corriente
Control voltage range	0-5 VDC, 0-10 VDC	4 - 20 mA
1 mA control	13/16 mA @= 5 V/24 V	29 mA @= 220 VAC
Tension to the connection	1,9 VDC	-
Tension to the disconnection	1,9 VDC	-
Maximum reverse voltage	32 VDC	-
Max. delay to the connection	1 ms	-
Max. delay to disconnection	½ ciclo	-

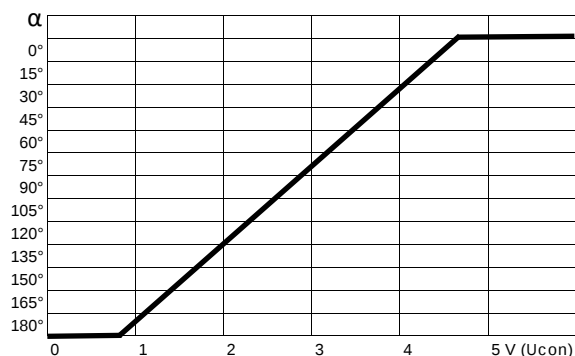
Output specifications

Maximum load current	(AC51 @ Ta = 25° C)	25, 40, 60, 80, 100, 200, 300, 400 A
	(AC53a @ Ta = 25° C)	5, 15, 18, 20, 40, 60, 80 A
Load voltage range	20 - 480 VAC	
Frequency range	50 - 60 Hz	
Maximum non-repetitive voltage peak	850 Vp	
Maximum non-repetitive current peak (t = 10ms)	350 Ap / 25 A	910 Ap / 80 A
	500 Ap / 40 A	1100 Ap / 100 A
	630 Ap / 60 A	
Maximum leakage current	8 mArms	
dv / dt minimum at disconnection	200 V / µseg	
Max. voltage drop in operation	1,6 VAC	
Minimum load current	0,15 - 0,25 Arms	
I ² t (10 ms) (indicative data)	625 A ² s (25 A)	4.225 A ² s (80 A)
	1.250 A ² s (40A)	6.050 A ² s (100A)
	2.025 A ² s (60A)	

Cover

Dimensions (L x W x H mm)	106 x 75 x 34
Weight	600 gr máx.
Metallic base	Aluminio niquelado
Max. torque: control terminal(M3x6)	1,2 Nm
Max. torque: power terminal(M5x9)	2,4 Nm

Resistive load ratio curve, waveform

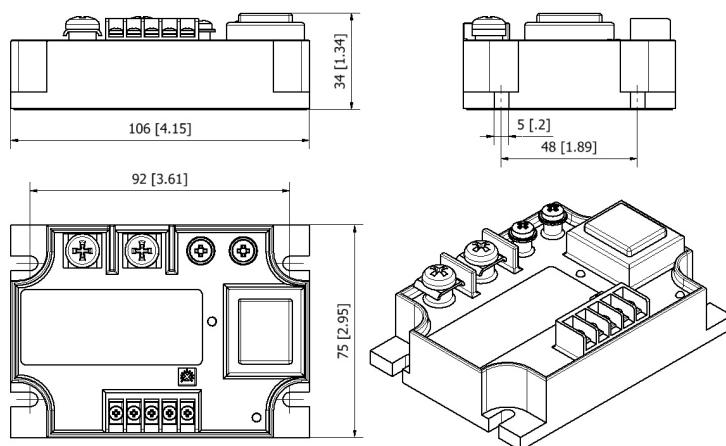


RS1APIV5MIX480025R
RS1APIV5MIX480060R
RS1APIV5MIX480100R
RS1APIV5MIX480300R

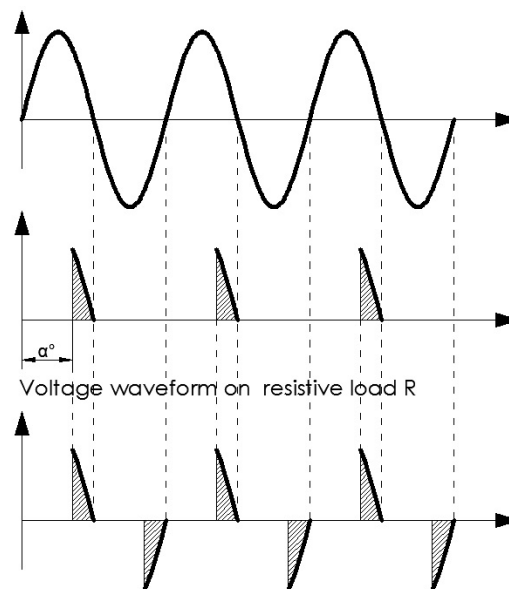
RS1APIV5MIX480040R
RS1APIV5MIX480080R
RS1APIV5MIX480200R
RS1APIV5MIX480400R

For currents greater than 10 A, a heatsink should be used. However, even if the load current does not exceed 10 A, the use of a heatsink will extend the life of the relay to a duration four times longer.

Dimensions (mm-pulgadas)



Diagrams



Voltage waveform on resistive & inductive load R-L