



- » AC Solid state relay, zero crossing.
- » Input range: 3 - 32 VDC.
- » Maximum load current (AC1 at 25° C): 4, 5 A.
- » Operational ratings: 40 - 400 VAC.
- » Frequency range: 50 - 60 Hz.
- » Maximum non-repetitive peak voltage: 1.200 Vp.

References

Control voltage	Operational voltage	Operational current	Reference
3 - 32 VDC	40 - 440 VAC	4 A	RS1ACB032DC440004Z
		5 A	RS1AMB032DC440004Z
		5 A	RS1AMB032DC440005Z

General specifications

Dielectric insulation (between input & output)	500 VAC
Operating temperature	-30 °C to 80 °C
Storage temperature	-30 °C to 85 °C
Ambient humidity	Operating: up to 85 %
CE marking	Yes

Input specifications

Control voltage range	3 - 32 VDC
Input current (max)	9/16 mA @ 5 V/24 V
Pick-up voltage	1,5 VDC
Drop-out voltage	1,5 VDC
Maximum reverse voltage	32 VDC
Max. response time pick-up (50Hz)	<1 ms
Max. response time drop-out (50Hz)	<1 ms

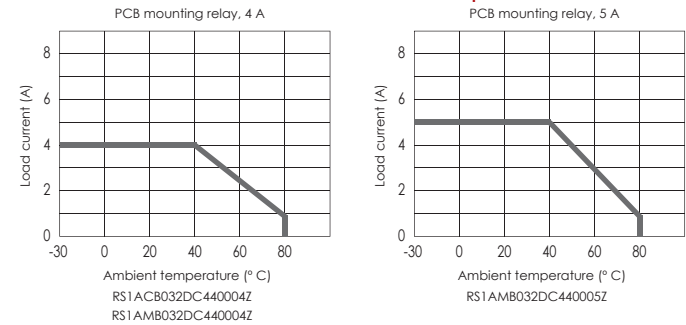
Output specifications

Maximum load current (AC51 @ Ta = 25° C)	4A, 5A
Load voltage range	40 - 440 VAC
Frequency range	50 - 60 Hz
Max. non-repetitive peak voltage	1.200 Vp
Max. non-repetitive peak current (t=10ms)	7 Ap / 5 A
Maximum off state leakage current	10mA
Minimum off state dv / dt	200 V / µseg
Maximum on state voltage	<1,6 VAC
Minimum load current	0,1 Arms

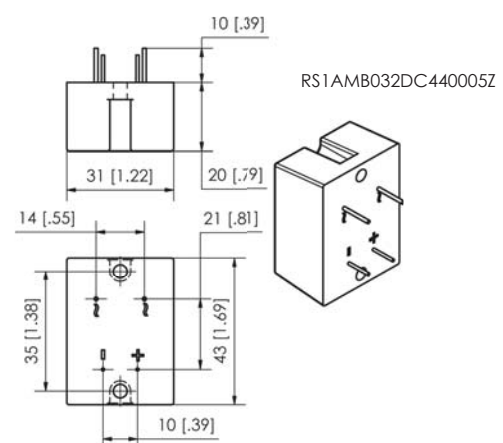
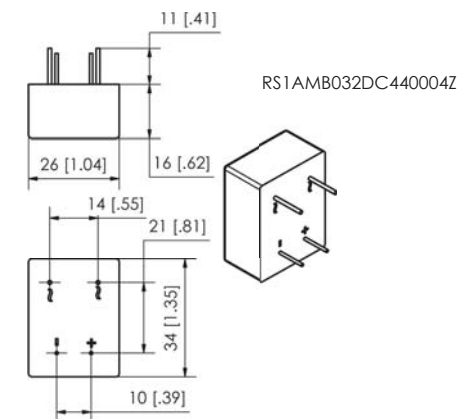
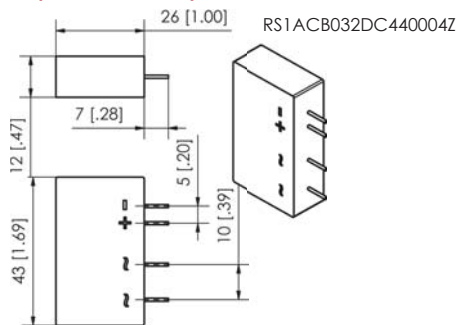
Housing specifications

Dimensions (L x W x H mm)	43 x 26 x 12	34x26x16	43 x 31 x 20
Weight	22 gr	34 gr	78 gr
Baseplate	Aluminum, nickel-plated		

Load current vs. ambient temperature



Dimensions (mm. inch)



Diagram

