Shanghai Newtrend Electric Co., Ltd.
No. 618 North Huting Road | 201615 | Shanghai | China
WhatsApp / WeChat: +86-18019187010 | sales@sntelec.com | www.sntelec.com

RGS4 high-speed fuse

80A / aR / 690V AC - 500V DC

RGS4 is a bolt-connected aR high-speed fuse for semiconductor short-circuit protection. This 80A configuration has a ceramic insulating body and slotted metal terminal tabs. Its rated voltage is 690V AC / 500V DC, with interrupting ratings of 80kA AC / 50kA DC. The aR characteristic provides partial-range short-circuit protection; separate overload protection is required.



Model	RGS4
Rated current	80A
Rated voltage	690V AC / 500V DC
Interrupting rating - AC	80kA
Interrupting rating - DC	50kA
Operating class	aR
Standard	IEC 60269-4
Connection	Bolted, slotted terminal tabs

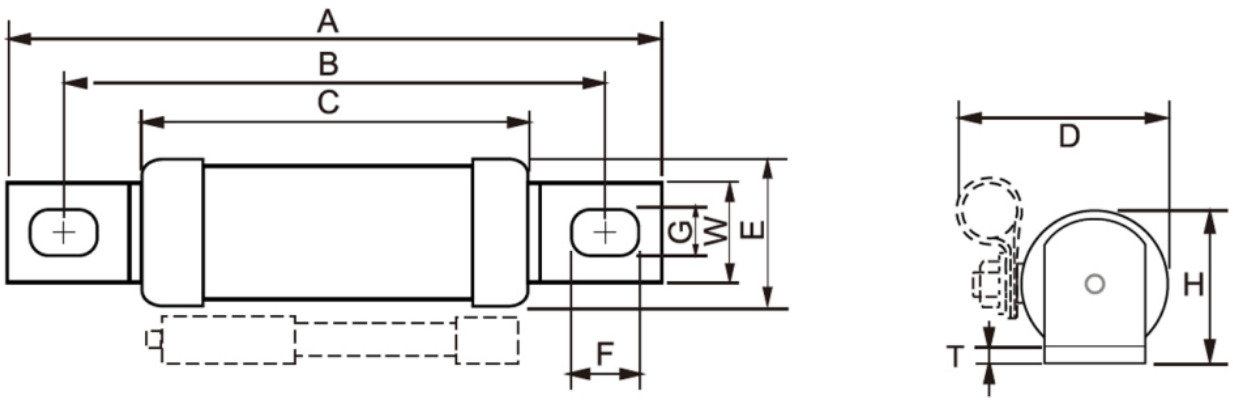
Application and protection coordination

For compatible semiconductor converters, inverters and power-electronic circuits. Coordinate the 80A aR fuse with the protected device, the circuit voltage, prospective fault current and the device I²t withstand. Provide separate overload protection and use suitable fuse mounting supports.

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Dimensions and thermal data

RGS4-80 / DIMENSIONS IN MILLIMETRES



A - Overall length	77.5mm
B - Fixing reference	63 ± 3mm
C - Body length reference	47.5mm
D - Maximum envelope width	28mm max.
E - Body reference	18mm
F - Slot length reference	9.3mm
G - Slot width	6.5mm
H - Height reference	18.5mm
W - Terminal width	12mm
T - Terminal thickness	2mm

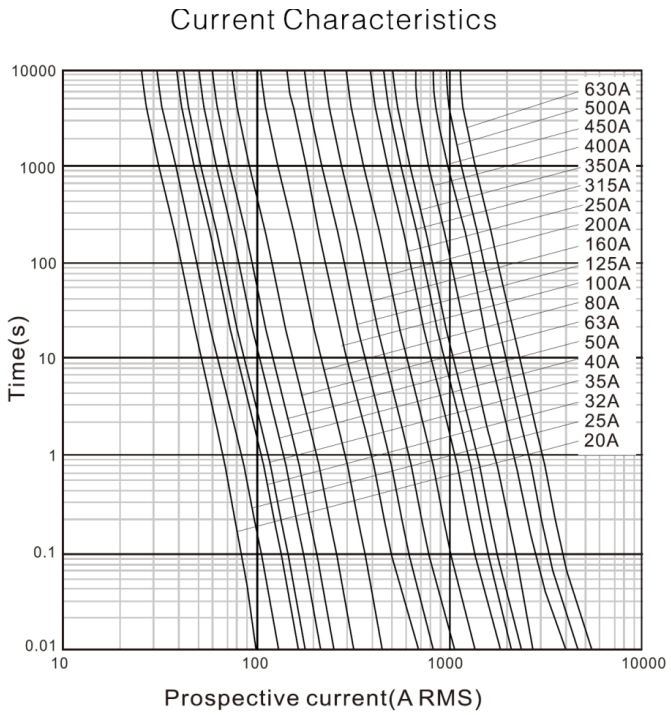
Pre-arcing I²t	950 A²s
Total I²t	11585 A²s
Power loss	23.5W

Specify RGS4, 80A, required AC or DC operating voltage and quantity. Check the slotted terminal dimensions, mounting space and protection coordination. Isolate and verify the circuit is de-energized before installation or replacement.

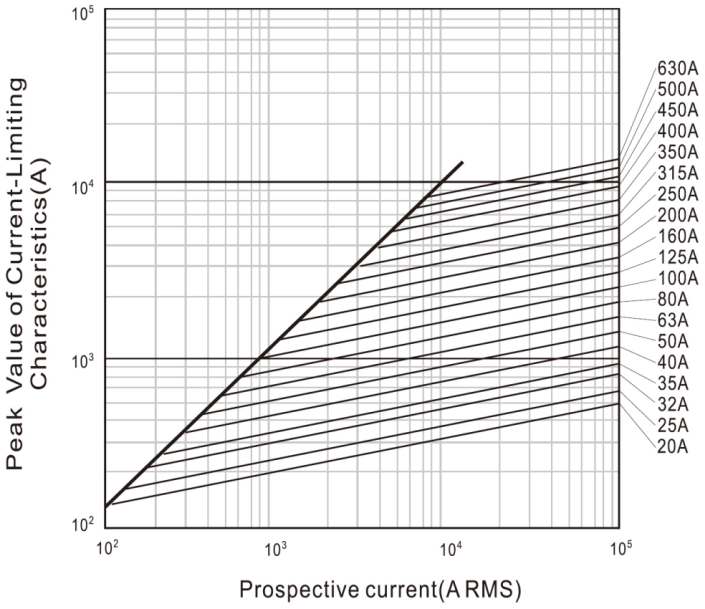
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Characteristic curves

RGS SERIES / SELECT THE 80A TRACE



Time-current characteristics. Read the 80A trace; the other traces identify the related series currents.



Current-limiting characteristics: prospective current (ARMS) versus peak let-through current (A). Use the 80A trace for this configuration.

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