SAR & SAS Circuit Protectors















Overcurrent Protection for Small Equipment

The SAR and SAS circuit protectors provide protection from over-current conditions in an ultra-compact package. The SAR and SAS are the standard products, the SUR and SUS have both AU and CSA approvals, and the SER and SES carry AU, CSA and TÜV approvals.

Please contact Airpax for assistance in applying the SAR, SUR, SER, SAS, SUS, and SES circuit protector to meet your power protection needs.



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Applications: Typical applications include tight spaces in radio signal amplifiers for base transceiver stations, uninterruptible power supplies, thin-type power supplies, office equipment, and entertainment equipment

Features:

- · Ultra-compact and ultralight circuit protectors with reinforced insulation and an electromagnetic safety system
- · Smallest hydraulic 20A rating circuit protector (SAR) and 15A rating circuit protector (SAS) in the world
- Trip-free function, smooth handle action
- Conforms to IEC950

Ratings & Specifications

	Circuit Breaker	Maximum Rated Current / Voltage				Breaking	
		32VDC	50VDC	125VAC	250VAC	Capacity	
	SAR, SUR, SER	20A		20A	15A	500A	
	SARM, SURM, SERM	15A, 30A*	15A, 30A*			300A	
	SAS, SUS, SES	15A		15A	15A	500A	
	SASM, SUSM, SESM	15A	15A			300A	

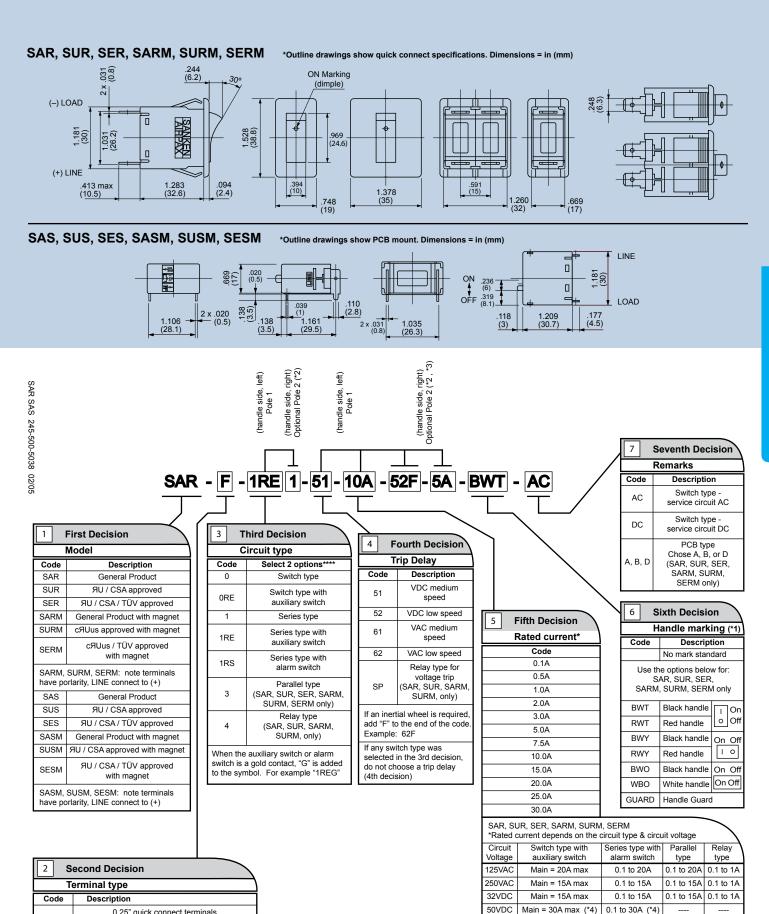
^{*}Agency approvals: Pending

Specifications:

- Maximum rated current / voltage: 20A (125 VAC), 15A (250VAC, 32VDC), 30A (50VDC)
- · Number of poles:

SAR(M), SUR(M), SER(M) = 1 to 2 poles SAS(M), SUS(M), SES(M) = 1 pole

- Operating temperature: -25°C to 65°C
- Allowable relative humidity: 45%-85%
- Breaking capacity: 500A (in accordance with UL 1077 and EN60934)
- Insulation resistance: At least 100 MΩ with 500Vpc megger
- Dielectric strength: VAC 50/60 Hz 1500VAC for 1 minute (AU/CSA/general products), VAC 50/60 Hz 3000VAC for 1 minute (TÜV products) leakage current 1mA or less. Auxiliary switch: VAC 50/60 Hz 500VAC for 1 minute
- Vibration resistance: Approximately 98m/s² (10G) (Mil-STD-202 Method 201A @ In)
- Shock resistance: 490m/s² (50G) (Mil-STD-202 Method 213 test condition A @ In)
- Operational life: At least 10,000 times (6 times per minute, ON-OFF 6,000 times @In, 4,000 times under no-load condition)



^{*1.)} This decision only applies to: SAR, SUR, SER, SARM, SURM, SERM

F

Р

Disregard sixth decision for SAS, SUS, SES, SASM, SUSM, SESM

0.25" quick connect terminals

(SAR, SUR, SER, SARM, SURM, SERM only)

PCB - PC board terminals

Disregard the pole 2 option for: SAS, SUS, SES, SASM, SUSM, SESM 0.1 to 15A

SAS, SUS, SES, SASM, SUSM, SESM

^{*2.) 2-}pole options are only available for: SAR, SUR, SER, SARM, SURM, SERM

^{*3.)} If the same specifications are required in the 4th and 5th decision for each pole in a 2-pole device (example, both poles require 51-10A), do not enter a Optional Pole 2 entry into the 4th and 5th decision.

^{*4.)} SARM - 50VDC, 30A max SURM/SERM - 50VDC, 15A max