

SSRDIN Solid State Relays

GENERAL SPECIFICATIONS



22mm
(10, 20 & 30 A)



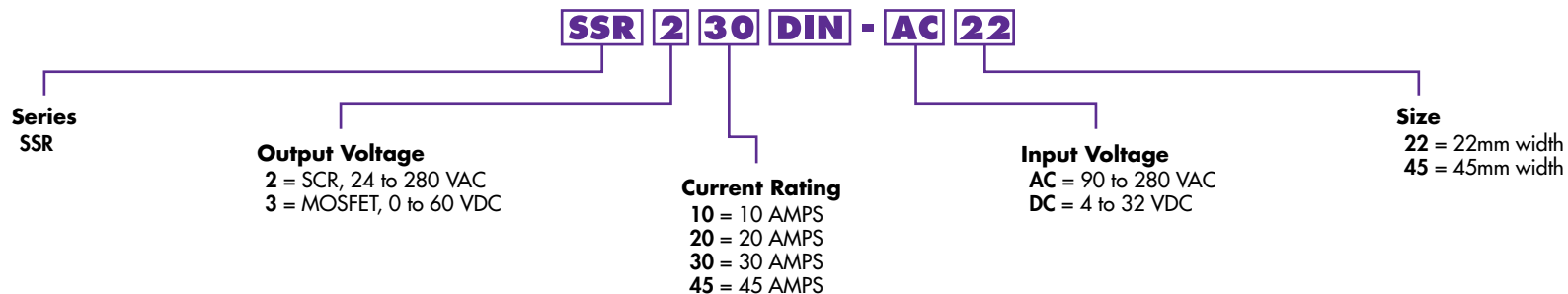
45mm
(45 A)



OUTPUT CHARACTERISTICS		SSR2**DIN-AC**	SSR2**DIN-DC**	SSR3**DIN-DC22†
Output type		SCR		MOSFET
Contact configuration		SPST-NO		
Current rating		10, 20, 30 or 45 A		10, 20 or 30 A
Output voltage		24 to 280 VAC		0 to 60 VDC
Switching type		Zero Cross Switching		DC Switching
INPUT CHARACTERISTICS				
Input voltage		90 to 280 VAC	4 to 32 VDC	4 to 32 VDC
Must release voltage		10 AC	1 DC	1 DC
Typical input current		2 to 4 mA	8 to 12 mA	9 to 11 mA
PERFORMANCE CHARACTERISTICS				
Maximum response time (on and off)		1/2 cycle		1 ms
Dielectric strength (terminals to chassis)		4000 VAC		
ENVIRONMENT				
Ambient air temperature around the device	Storage	-40 to 125 °C		
	Operation	-40 to 80 °C		
Degree of protection		IP 20		
MISCELLANEOUS CHARACTERISTICS				
Weight		22mm: 272 g (9.6 oz); 45mm: 482 g (17 oz)		
Terminal screw torque	Input	22mm: 5.0-6.0 lb-in (0.6-0.7 Nm); 45mm: 5.0-6.0 lb-in (0.6-0.7 Nm)		
	Output	22mm: 5.0-6.0 lb-in (0.6-0.7 Nm); 45mm: 10.0-15.0 lb-in (1.1-1.7 Nm)		
Maximum wire size	Input	22mm: 3mm (10 AWG); 45mm: 2.5mm (12 AWG)		
	Output	22mm: 3mm (10 AWG); 45mm: 3.8mm (8 AWG)		

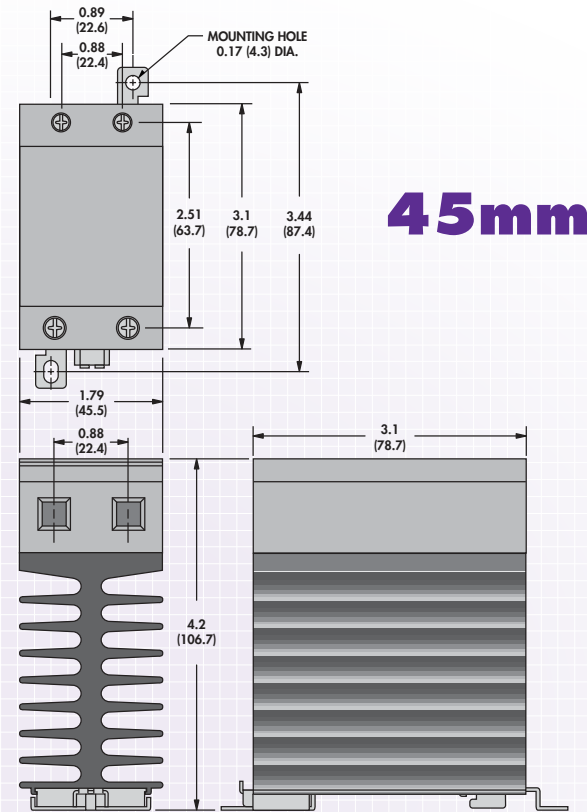
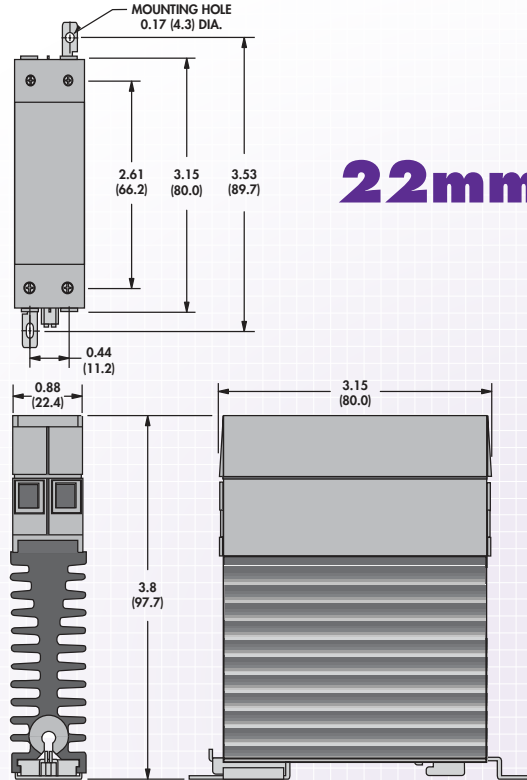
†UL and CSA certifications not available for MOSFET versions.

PART NUMBER EXPLANATION

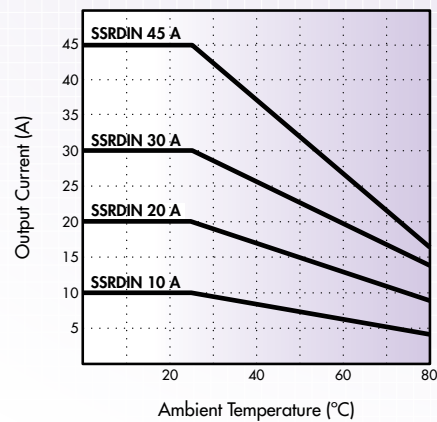


DIMENSIONS

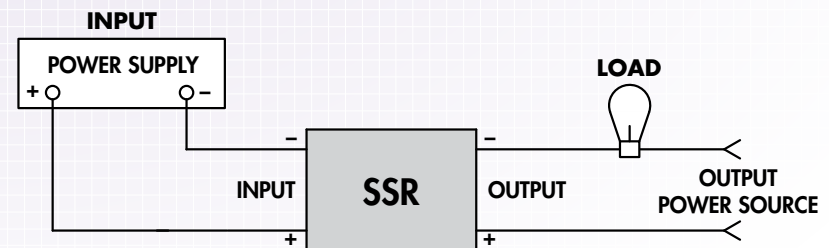
shown in inches (millimeters)



Load Current vs Ambient Temperature
(100% Duty Cycle)



WIRING DIAGRAM



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[SSR245DIN-DC45](#) [SSR230DIN-DC22](#)