

			
	Shelly Plus 1 Mini	Shelly Plus 1PM Mini	Shelly Plus EM Mini
Physical			
Size (HxWxD):	29x35x16 ±0.5 mm		
Screw terminals max torque:	0.4 Nm		
Conductor cross section:	0.5 to 1.5 mm ²		
Conductor stripped length:	5 to 6 mm		
Shell material:	Plastic		
Color:	Blue	Red	White
Environmental			
Ambient temperature:	-20 °C to 40 °C		
Humidity	30 % to 70 % RH		
Max. altitude	2000 m		
Electrical			
Power supply:	110 - 240 VAC		
Relay:	Dry, NO contact, 1-pole	NO contact, 1-pole	N/A
External protection:	10 A		16 A
Power consumption:	Tripping characteristic B or C, 6 kA interrupting rating, Energy limiting class 3 < 1.2 W		
Output circuits ratings			
Max switching voltage AC:	240 V		N/A
Max switching voltage DC:	30 V	N/A	
Max current AC:	8 A		16 A
Max current DC:	5 A	N/A	
Max power AC:	2000 W		3840 W
Max power DC:	150 W	N/A	
Power measurement:	No	Yes	
Voltage protection / Cutoff:	No	Yes	No
Current protection / Cutoff:	No	Yes	No
Max power protection / Cutoff:	No	Yes	No
Sensors, meters			
Internal temperature sensor:	Yes		
Radio			
RF band:	2400 - 2495 MHz		
Max. RF power:	<20 dBm		
Wi-Fi protocol:	802.11 b/g/n		
Wi-Fi Range:	Up to 30 m / 100 ft indoors and 50 m / 160 ft outdoors (Depends on local conditions)		
Bluetooth Protocol:	4.2		
Bluetooth Range:	Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions)		
MCU			
CPU:	ESP32-C3		
Flash:	4 MB		

Firmware capabilities	
Schedules:	20
Webhooks (URL actions):	20 with 5 URLs per hook
Scripting:	mJS
MQTT:	Yes
UDP:	Yes
Scripting:	Yes