

Contor de energie inteligent Shelly EM Mini Gen4 - set 2 bucati, monofazat, ultra-compact, Wi-Fi, Bluetooth si Zigbee, MQTT si API local, control aplicatie

Fisa tehnica | EAN: 3800238070830

Constructie si dimensiuni

Dimensiuni (Î x L x A)	29x34x16 mm / 1.34x1.11x0.63 inch
Greutate	13 g / 0.46 oz
Cuplu maxim borne cu surub	0.4 Nm / 3.5 lbin
Sectiune conductor	0.5 ... 4 mm² / 20 ... 11 AWG (rigid, litat si cu papuci tubulari)
Lungime dezizolare conductor	6 ... 7 mm / 0.24 ... 0.28 in
Montare	Wall console
Material carcasa	Plastic
Culoare carcasa	Alb
Culoare borne	Grey (Mouse Grey)

Conditii de mediu

Temperatura ambientala de lucru	-20 °C ... 40 °C / -5 °F ... 105 °F
Umiditate	30 % ... 70 % RH
Altitudine maxima	2000 m / 6562 ft

Parametri electrici

Alimentare	110-240 V~
Consum	< 1 W
Protectie externa	Tripping characteristic B or C, max. 16A max. rated current, min. 6 kA interrupting rating, energy limiting class 3

Senzori si masurare

Voltmetru (CA)	110-240 V~ 50/60 Hz
Precizie voltmetru	±1%
Ampermetru (CA)	0 - 16A
Precizie ampermetru	±1%
Masurare putere si energie	Active power Active energy
Stocare date de masurare	At least 10 days of 1 min data resolution
Export date	CSV for PQ recorded values JSON format export through RPC

Parametri circuite de iesire

Masurare consum	Da
Tensiune maxima masurata	240 V~
Curent maxim masurat	16 A
Putere maxima masurata	3840 W

Comunicatie radio

Wi-Fi

Protocol	802.11 b/g/n/ax
Banda RF	2412 - 2472 MHz
Putere RF maxima	< 20 dBm
Raza de actiune	pana la 30 m / 100 ft in interior and 50 m / 160 ft in exterior (in functie de conditiile locale)

Bluetooth

Protocol	5.0
Banda RF	2402 - 2480 MHz
Putere RF maxima	< 4 dBm
Raza de actiune	pana la 10 m / 33 ft in interior and 30 m / 100 ft in exterior (in functie de conditiile locale)

Zigbee

Protocol	802.15.4
Benzi RF	2400 ... 2483.5 MHz
Putere RF maxima	< 20 dBm
Raza de actiune	pana la 100 m / 328 ft in interior and 300 meters / 984 ft in exterior (in functie de conditiile locale)

Microcontroler

Procesor	ESP-Shelly-C68F
Memorie Flash	8MB

Functii firmware

Programari	20
Webhooks (actiuni URL)	20 cu 5 URL-uri per webhook
Scripting	Da
MQTT	Da
UDP	Da
Programari avansate	Da
KVS (stocare cheie-valoare)	Da