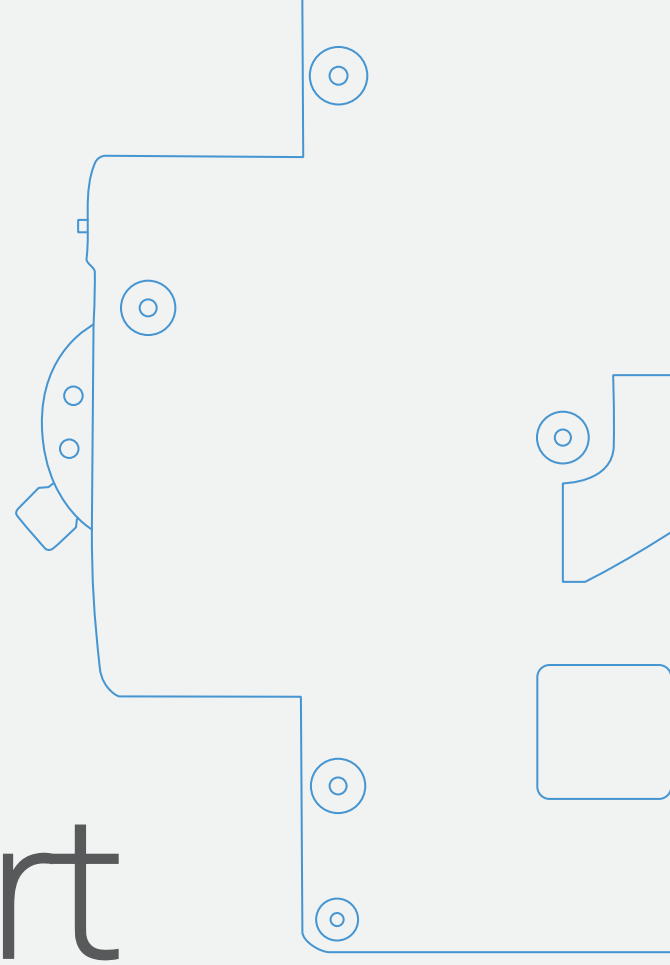
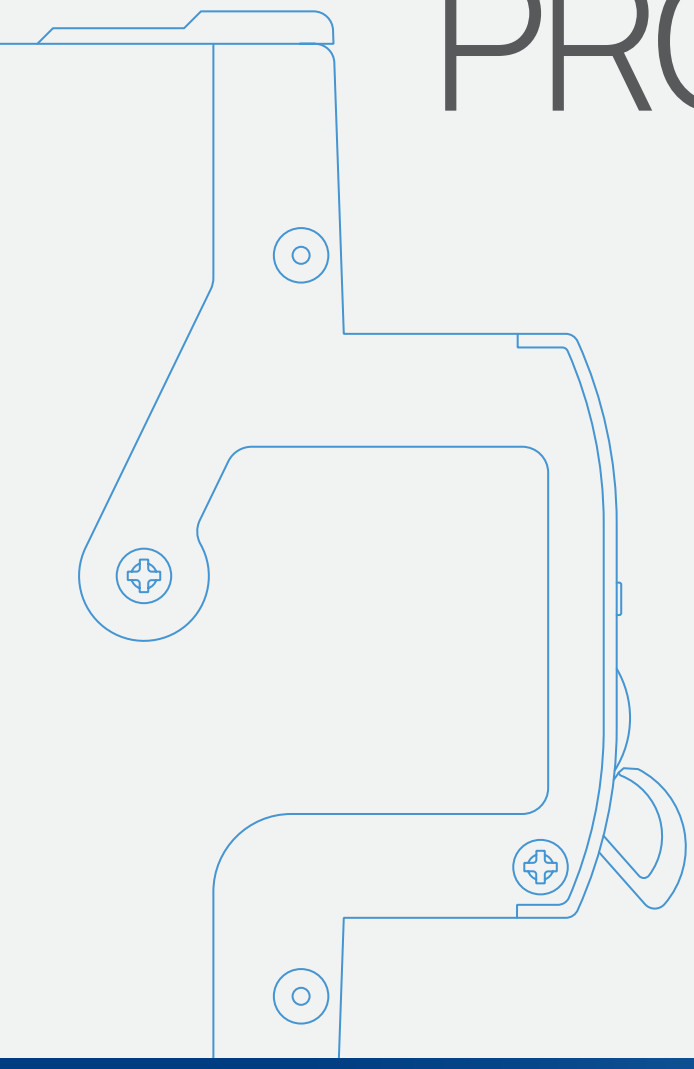
Shelly | Explore the **POSSIBILITIES**



Smart PRO CBs



FLEXIBLE, RELIABLE & SMART PROTECTION



Table of CONTENTS

SHELLY PRO CBs

- Introduction
- Key Features & Benefits
- Product Range
- Comparison with Key Competitors
- Integrations
- Use Cases & Applications
- Technical Specifications
- PRO CBs Variations
- Characteristics Curve
- Additional Information

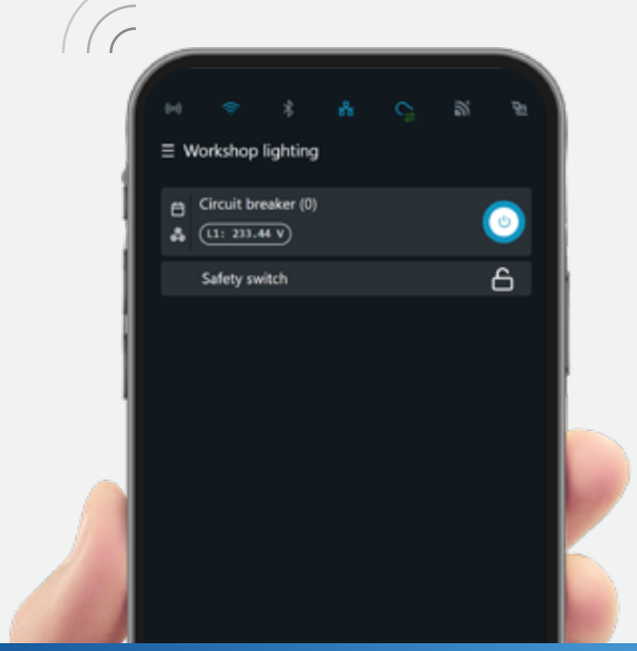
PRO CBs





Introduction

Shelly PRO Smart Circuit Breakers usher in a new era of intelligent power distribution, combining premium electrical protection with advanced smart capabilities in a single device. Engineered for residential and light commercial use, **they provide real-time monitoring, remote control**, and effortless integration with leading home automation platforms. With strong safety features and versatile connectivity, Shelly PRO CBs deliver exceptional reliability and true peace of mind.



Key Features & Benefits

Certified protection and compliance

Tested and certified by TÜV: to meet European safety standards, ensuring the same reliability as a conventional breaker with added functionalities.

Different pole configuration and rated currents

Available in four pole configurations – 1-pole, 2-pole, 3-pole, and 4-pole, each with rated currents of 10 A, 16 A, 24 A, 40 A, and 63 A with C tripping characteristics, covering the majority of single-phase and three-phase breaker needs.

Overvoltage & Undervoltage Protection

Protects downstream equipment by breaking the circuit if the voltage exceeds or falls below the user-set safe limits.

Remote Connection & Disconnection

Enables safe and convenient remote control for maintenance or emergency situations, such as fire, flooding, or earthquakes, when immediate disconnection is required.

Real-time Monitoring with Notifications

Continuously monitors circuit voltage in real time and delivers instant push notifications for critical events, including tripping and overvoltage/undervoltage conditions ensuring proactive awareness and rapid response.

Audit and Activity Logging

Records every event with timestamps and sources, ensuring full traceability.

Multiple Connectivity Options

Includes Wi-Fi, Bluetooth, Ethernet, Bluetooth Gateway, and Wi-Fi range extender for flexible, reliable communication across diverse network setups.

Custom Scripts, Actions, and Schedules

Create your own advanced automation solutions for any scenario.

No Hub Required

Ready to use locally or remotely via Shelly Smart Control or compatible third-party systems.

Shelly

PRO 1CB

1-pole miniature circuit breaker

5 YEARS WARRANTY

10A
16A
25A
32A
40A
63A

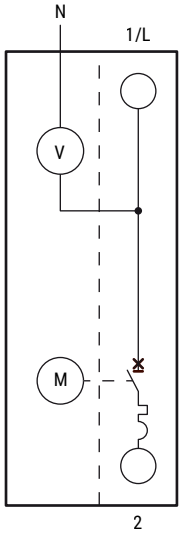


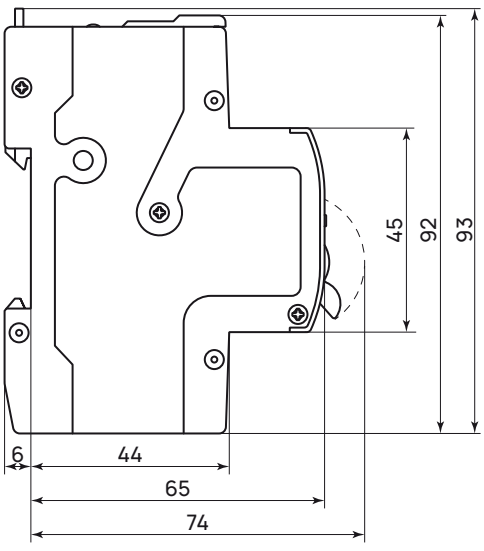
Shelly PRO 1CB is a 1-pole miniature circuit breaker (MCB) featuring overvoltage and undervoltage protection as well as remote connection and disconnection.

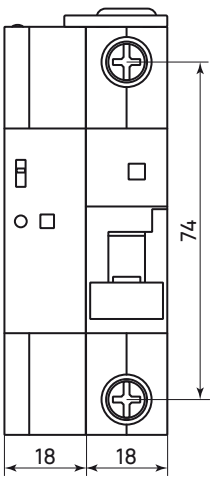
Dimensions (HxWxL)

93 × 36 × 74 mm

Technical Diagrams & Schematics







Shelly

PRO 2CB

2-pole miniature circuit breaker



10A

16A

25A

32A

40A

63A

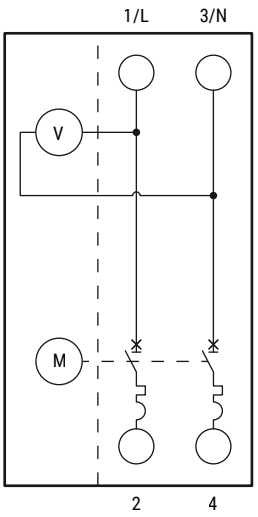
WARRANTY 5 YEARS WARRANTY

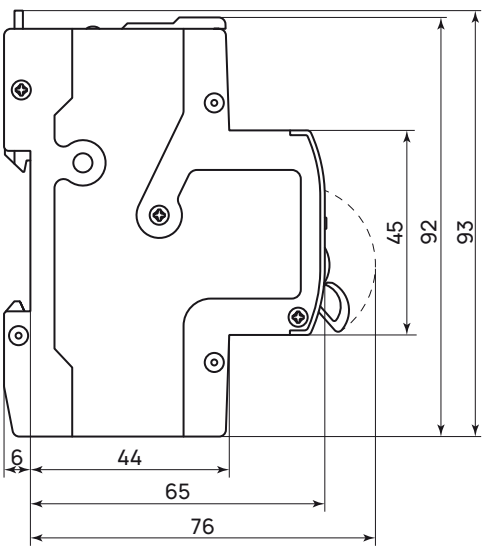
Shelly PRO 2CB is a 2-pole miniature circuit breaker (MCB) featuring overvoltage and undervoltage protection as well as remote connection and disconnection.

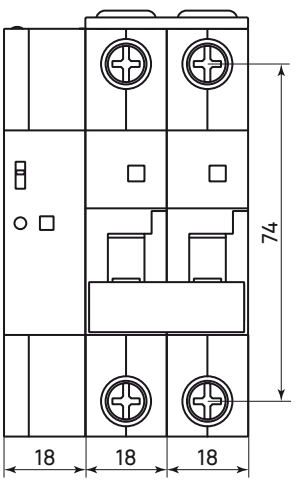
Dimensions (HxWxL)

93 × 54 × 76 mm

Technical Diagrams & Schematics







Shelly

PRO 3CB

3-pole miniature circuit breaker

10A

16A

25A

32A

40A

63A



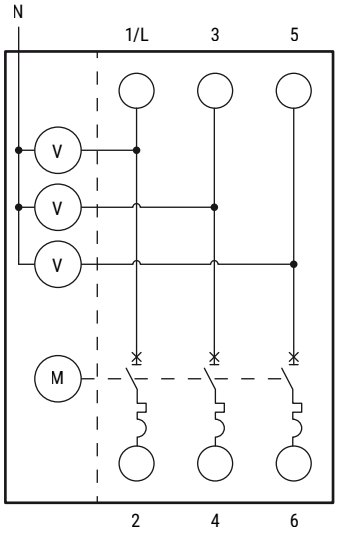
WARRANTY 5 YEARS WARRANTY

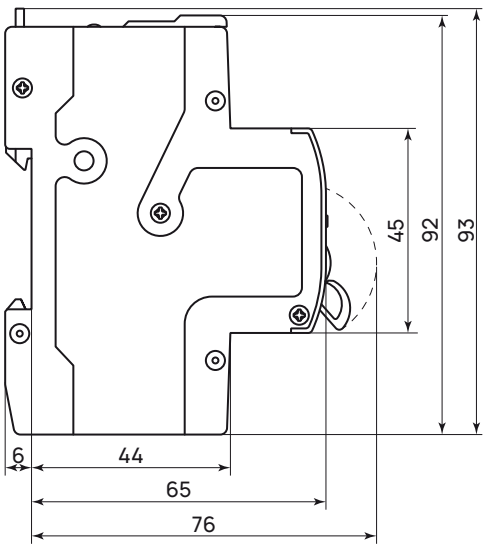
Shelly PRO 3CB is a 3-pole miniature circuit breaker (MCB) featuring overvoltage and undervoltage protection as well as remote connection and disconnection.

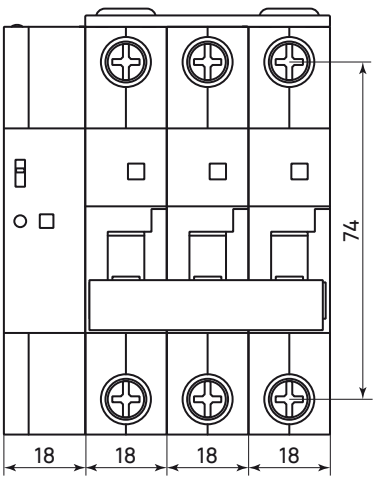
Dimensions (HxWxL)

93 × 72 × 76 mm

Technical Diagrams & Schematics







Shelly

PRO 4CB

4-pole miniature circuit breaker



10A

16A

25A

32A

40A

63A

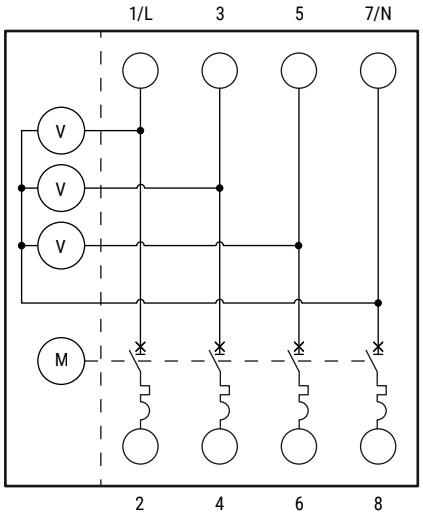
WARRANTY 5 YEARS WARRANTY

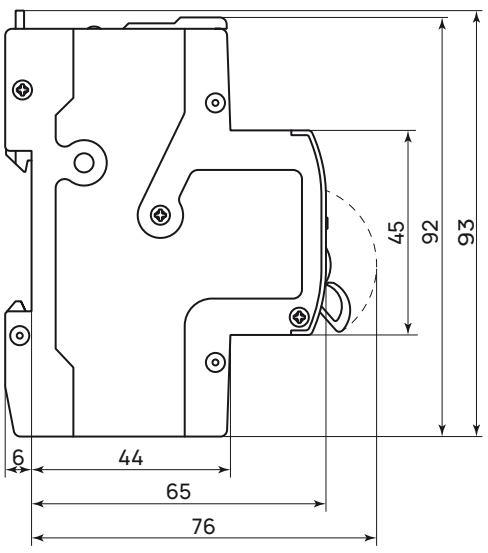
Shelly PRO 4CB is a 4-pole miniature circuit breaker (MCB) featuring over-voltage and undervoltage protection as well as remote connection and disconnection.

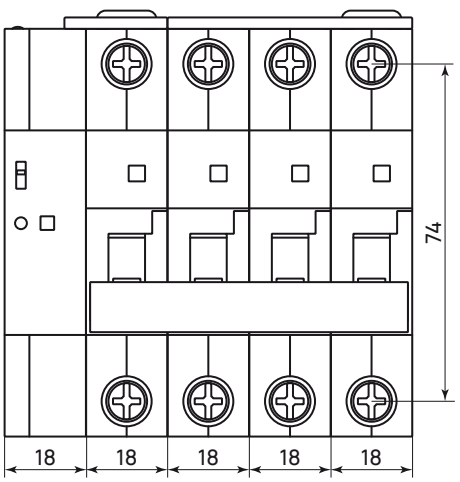
Dimensions (HxWxL)

93 × 90 × 76 mm

Technical Diagrams & Schematics







Comparison with Key Competitors

Feature	Shelly PRO CBs	Standard MCBs	Competitor Smart MCBs
Over/Undervoltage Protection	Yes	Some models only	Yes
Remote App & Network Control	Yes	No	Yes (varies)
Real-Time Notifications	Yes	No	Often
LAN/Ethernet Connectivity	Yes	No	Rare
Advanced Scheduling/Scripting	Yes	No	Sometimes
Wi-Fi Range Extension/BLE GW	Yes	No	No
Cloud & Third-Party Integration	Yes	No	Limited
Audit Logs	Yes	No	Sometimes

Integrations

- Compatible with Alexa, Google Home, SmartThings for voice and ecosystem automation.
- Supports MQTT, HTTP/S webhooks, LAN/BLE for seamless third-party integration and scripting.
- Shelly Plus Smoke Alarm, Flood Gen 4, Flood S Gen4 – automate power cutoffs upon smoke or water detection for advanced safety.

Product Highlights

Comprehensive protection

Overcurrent, overvoltage, undervoltage, and short-circuit with remote management.

Easy, flexible integration

Use as standalone protection or as part of advanced automation projects.

Simple installation & user-friendly management

Use Cases & Applications



Automatic Protection Against Electrical Faults

Prevent damage and hazards by automatically interrupting electrical current during overloads, short circuits protecting equipment and reducing fire risk.

Timely Fault Notification and Diagnostics

Alerts and logs all on/off events with timestamps and sources (manual, remote, trip), allowing quick identification of faulty circuits and reducing downtime. Facilitates preventive maintenance by providing detailed audit logs and voltage monitoring to detect abnormal conditions before failures occur.



Use Cases & Applications

Remote Monitoring and Control

Enables users to monitor breaker status and input voltages in real time from anywhere via Wi-Fi, LAN, or cloud services, providing peace of mind and faster response to issues. Allows remote or scheduled disconnection of power for emergency shutdowns or planned maintenance without physical presence, improving safety and operational flexibility.





Enhanced Safety with Manual Override

Includes a mechanical safety switch to disable remote control, ensuring that critical safety operations cannot be overridden unintentionally - which is essential in sensitive environments.

Technical Specifications

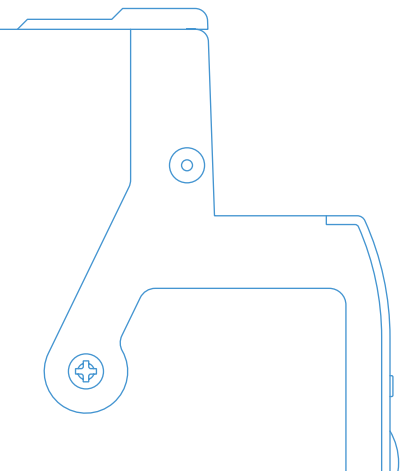


Physical	
Size (HxWxD)	93x36x74 mm / 3.66x1.42x2.91 in (Shelly Pro 1CB) 93x54x76 mm / 3.66x2.13x3.00 in (Shelly Pro 2CB) 93x72x76 mm / 3.66x2.83x3.00 in (Shelly Pro 3CB) 93x90x76 mm / 3.66x3.54x3.00 in (Shelly Pro 4CB)
Weight	210 g / 7.4 oz (Shelly Pro 1CB) 325 g / 11.5 oz (Shelly Pro 2CB) 474 g / 16.7 oz (Shelly Pro 3CB) 634 g / 22.4 oz (Shelly Pro 4CB)
Screw terminals max torque	2.5 Nm / 22 lbin
Conductor cross section	Max. 25 mm² / 3 AWG (Rigid) Max. 16 mm² / 5 AWG (Flexible)
Conductor stripped length	15 mm / 0.6 in
Mounting	DIN rail
Shell material	Plastic
Shell color	RAL 7035 (Light gray)

Environmental	
Ambient working temperature	-20°C to 40°C / -5°F to 105°F
Humidity	30% to 70% RH
Max. altitude	2000 m / 6562 ft
Pollution degree	2

Environmental	
Power supply	230 V~ 50 Hz
Power consumption	< 3 W
Poles	1, 2, 3, or 4
Circuit breaker tripping curve	C
Circuit breaker rated current	10 A, 16 A, 25 A, 32 A, 40 A, 63 A
Short circuit breaking capacity	6 kA
Energy limiting class	3
Min. operating voltage	160 V~ 50 Hz
Insulation voltage	500 V
Rated impulse withstand voltage	4 kV
Applicable standards	IEC 60898-1
Endurance	
Electrical	> 6000 cycles
Mechanical	> 20000 cycles (Shelly Pro 1CB, Shelly Pro 2CB) > 10000 cycles (Shelly Pro 3CB, Shelly Pro 4CB)
Remote toggles	< 1/min
Sensors, meters	
Voltmeter (AC):	Yes
Voltmeter accuracy:	±5 %
Internal-temperature sensor:	Yes
Wi-Fi	
Protocol	802.11 b/g/n
RF band	2412 - 2483 MHz
Max. RF power	< 20 dBm
Range	Up to 30 m / 100 ft indoors and 50 m / 160 ft outdoors (Depends on local conditions)

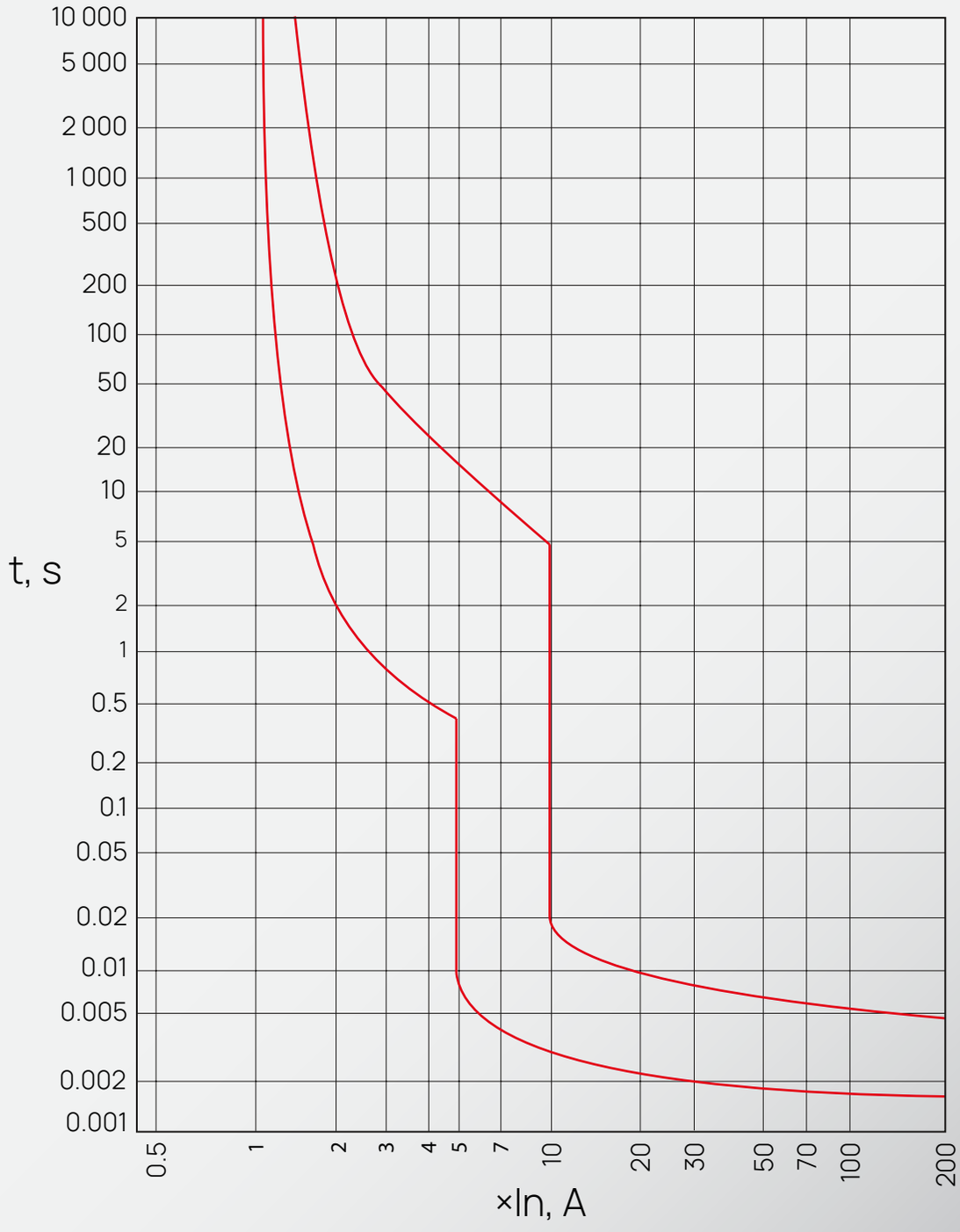
Bluetooth	
Protocol	4.2
RF band	2402 - 2480 MHz
Max. RF power	< 4 dBm
Range	Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions)
Microcontroller unit	
CPU	ESP32-D0WDQ6
Flash	8 MB
Firmware capabilities	
Event logging	100 events
Data export	CSV for PQ recorded values JSON format export through RPC
Schedules	Yes
Webhooks (URL actions)	20 with 5 URLs per hook...
Wi-Fi range extender	Yes
BLE Gateway	Yes
Scripting	Yes
MQTT	Yes
Encryption	Yes



PRO CBs Variations

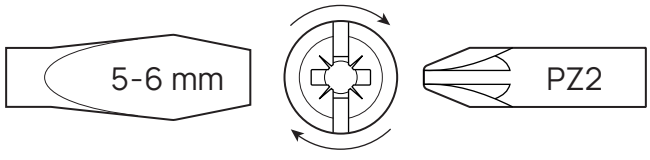
Product	Current (A)	Curve code	Poles	Power loss/ pole (W)	Size	EAN
Shelly PRO 1CB C10	10	C	1	2.1	2M	3800238073923
Shelly PRO 1CB C16	16	C	1	2.6	2M	3800238073930
Shelly PRO 1CB C25	25	C	1	4.4	2M	3800238073947
Shelly PRO 1CB C32	32	C	1	5.2	2M	3800238073954
Shelly PRO 1CB C40	40	C	1	6.1	2M	3800238073961
Shelly PRO 1CB C63	63	C	1	7.5	2M	3800238073978
Shelly PRO 2CB C10	10	C	2	2.1	3M	3800238073985
Shelly PRO 2CB C16	16	C	2	2.6	3M	3800238073992
Shelly PRO 2CB C25	25	C	2	4.4	3M	3800238074005
Shelly PRO 2CB C32	32	C	2	5.2	3M	3800238074012
Shelly PRO 2CB C40	40	C	2	6.1	3M	3800238074029
Shelly PRO 2CB C63	63	C	2	7.5	3M	3800238074036
Shelly PRO 3CB C10	10	C	3	2.1	4M	3800238074043
Shelly PRO 3CB C16	16	C	3	2.6	4M	3800238074050
Shelly PRO 3CB C25	25	C	3	4.4	4M	3800238074067
Shelly PRO 3CB C32	32	C	3	5.2	4M	3800238074074
Shelly PRO 3CB C40	40	C	3	6.1	4M	3800238074081
Shelly PRO 3CB C63	63	C	3	7.5	4M	3800238074098
Shelly PRO 4CB C10	10	C	4	2.1	5M	3800238074104
Shelly PRO 4CB C16	16	C	4	2.6	5M	3800238074111
Shelly PRO 4CB C25	25	C	4	4.4	5M	3800238074128
Shelly PRO 4CB C32	32	C	4	5.2	5M	3800238074135
Shelly PRO 4CB C40	40	C	4	6.1	5M	3800238074142
Shelly PRO 4CB C63	63	C	4	7.5	5M	3800238074159

Characteristics Curve

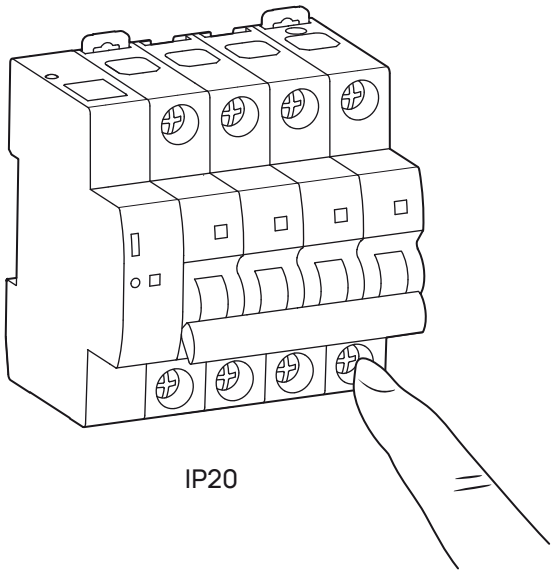


Additional Information

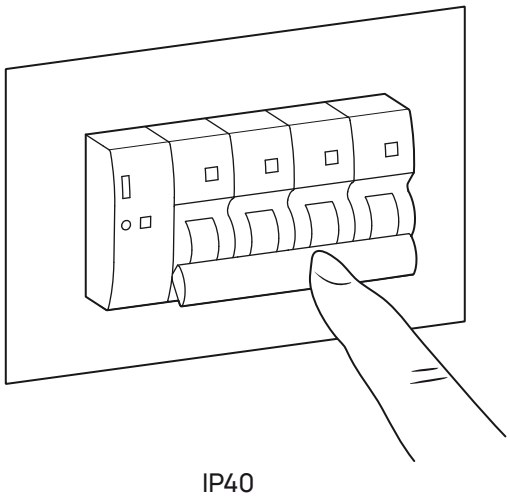
max. 2.5 Nm



min. 1.4 Nm



IP20



IP40

shelly.com