Smart Series

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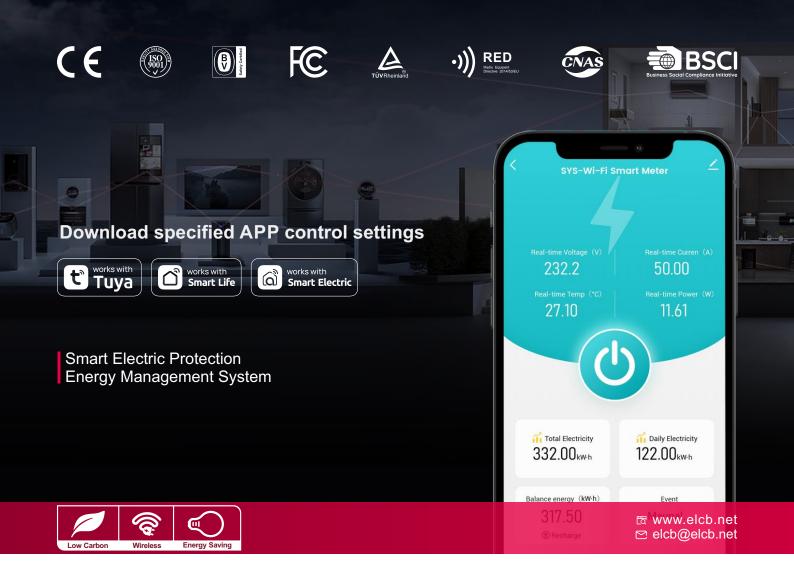
Smart Electric

H

Protection Device Series

www.elcb.net □ elcb@elcb.net





About Tongou

80 + Staff

Strong production teamexcellent after-sales service

30 + Years

Rich professional and customer service experience

3000 + Customers

Rich customer solutions and experience

8000m² + Area Rapid order fulfillment capabilities and intelligent production workshops

20 + R&D Engineers

Strong R&D capabilities to meet various development needs.

tongou, established in 1993, is renowned for its expertise in high-end, low-voltage electrical system solutions. We are committed to alleviating the challenges faced by our customers and consistently strive to add value through our offerings. Our extensive range of electricity safety products caters to household, commercial, industrial, and various other installations. This range includes Miniature Circuit Breakers (MCB), Residual Current Circuit Breakers (RCCB), Residual Current Circuit Breakers with Over-current Protection (RCBO), Switch-Disconnectors, Distribution Boxes, Moulded Case Circuit Breakers (MCCB), and Air Circuit Breakers (ACB).

A standout in our product line is our innovative Internet of Things (IoT) smart circuit breakers. These state-of-the-art devices represent the cutting edge of electrical safety and management technology. Integrated with IoT capabilities, these smart circuit breakers offer remote monitoring and control, allowing users to manage their electrical systems with unprecedented ease and precision. They provide real-time data on electrical usage, detect irregularities, and can automatically shut off power in case of faults, significantly enhancing safety. Furthermore, their predictive maintenance capabilities ensure timely alerts before potential issues escalate, thereby minimizing downtime and maintenance costs. By combining robust electrical protection with advanced connectivity and data analytics, our IoT smart circuit breakers are at the forefront of electrical safety innovation, delivering enhanced efficiency, safety, and control to our customers.





Contents



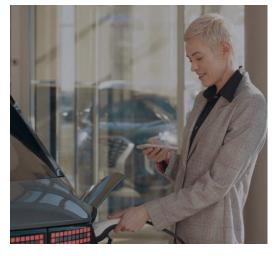




Applicable Scenarios

Extensive scenario applications, controlling and managing a variety of devices.

\checkmark Electric energy reserve



Energy industry Control and manage household electricity, urban energy, commercial energy, and industrial energy.



Security industry

Control and manage surveillance security equipment, intelligent automation devices, and base station tower equipment



Sockets For powering, monitoring controlling various

devices.



Switchs

For turning on/off lights and other electrical appliances, with remote and timed control capabilities.



Home Appliances

For daily household tasks and convenience, featuring timed operation, scenario linkage, and energy monitoring.



Lighting

For indoor and outdoor illumination needs, with various timing settings and automated scene capabilities.



Charging Piles For electric vehicle charging and power management.



Solar Energy For solar power distribution system and energy monitoring management.



Wind Energy For wind power generation and distribution system with energy monitoring and management.



Utility Power For controlling, managing, and configuring grid electricity.



Security For surveillance and protection of property and assets.



DIY Devices For custom home automation and control solutions.





Product Feature

Rich functional settings, more flexible, reliable, and safe.

✓ Flexible installation and configuration





Suitable for most distribution cabinet installation systems, supports various protocols, and allows for flexible configuration.



Remote Control

Control and obtain device information anytime, anywhere.



Voice Control Supports mainstream voice speakers like Amazon Alexa, Google Assistant, etc., allowing for control, settings, and data retrieval through voice commands.



Electricity Consumption Record daily/monthly/yearly electricity usage logs for easy reference.



Real-Time Power / Current / Voltage Real-time data can be viewed on the interface.





ookono protoction

Leakage protection Detecting and displaying the leakage current value of the circuit to prevent personal electric shock accidents.



Operation Log

To record all information about events, setting operations, and recharges for easy viewing.



Multiple Timing

Timing, countdown, cyclic timing, sunrise and sunset timing.

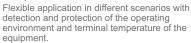


Circuit Proterction

Overload, overcurrent, overvoltage, undervoltage, and fire protection to make the circuit safer.



Temperature Protection



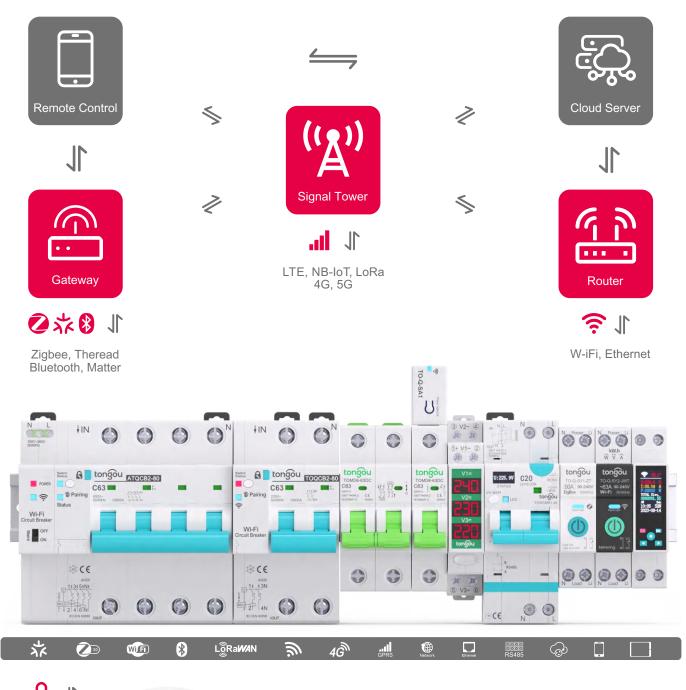
Maintenance Mode

Maintenance circuit activated, network signal disconnected, local operation only, to avoid the risk of remote misoperation.





I Network Configuration



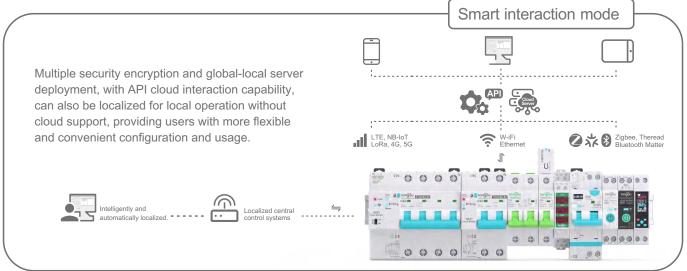


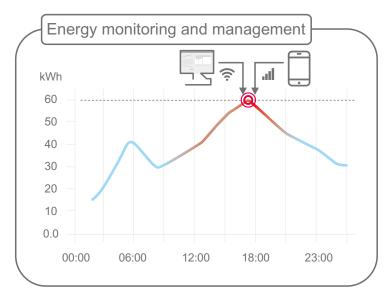
The smart electric protection device series represents cuttingedge electrical security supervision and power management solutions, embodying the synergy of state-of-the-art hardware and software components. This innovative system integrates local automation, cloud data interaction, multi-platform data interaction, and AI intelligence to deliver unparalleled performance and efficiency. By harnessing the power of AI algorithms and leveraging large amounts of data, intelligent monitoring, predictive analytics, and proactive management of electrical systems are ensured to improve safety, optimize energy usage, and maximize operational reliability.



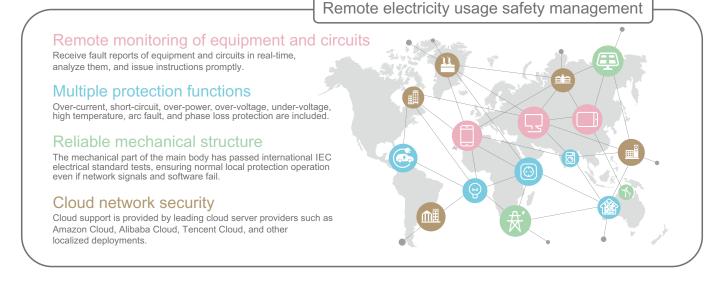


Benefits





Real-time monitoring and viewing of equipment electricity usage, providing detailed insights into expenses, and promptly addressing any equipment electricity issues.







App operating interface

About Smart Electric App

Discover our 24/7 accessible application for accessing our app services. Download and register for usage according to the user manual provided on our respective product.

✓ Top features at a glance



Homepage: Clear visibility of current electric current, voltage, temperature, and equipment operation status.



Timer: Provides various timing functions including one-time timing, cyclic timing, and sunrise-sunset timing.



Log: Record every operation data, event information, operational status, and recharge records.

Ele: Real-time monitoring of electricity consumption, recording daily, yearly, and monthly electricity consumption data.



Setting: Set up functions and threshold values according to different products.















Integrated Application

The smart electric protection device

Series is based on standardized integration and installation environments, giving it greater flexibility and making it more suitable for applications in different fields.

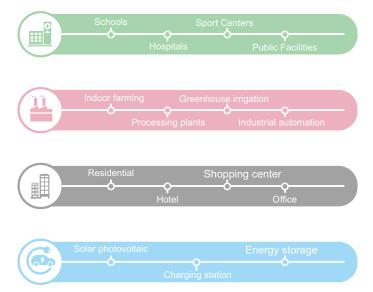
In the industrial sector, the solution can be installed in small to medium -sized factories, infrastructure, and processing plants for monitoring and remote control. By utilizing data analysis, it aims to minimize downtime and ensure equipment and circuit safety.

In the agricultural farming and irrigation sector, real-time collection of equipment usage data enables timely receipt of real-time data on equipment operation and faults. This addresses issues such as delayed monitoring and difficulty in manual operation due to long distances and wide coverage in farming and irrigation, thus mitigating potential property losses.

Commercial and public buildings can also utilize the scalable solution to enhance energy efficiency and achieve more detailed monitoring and control of their facilities. Offices, shopping malls, hotels, retail or chain stores can enhance their awareness of energy consumption and cost allocation to improve performance.

Public facilities such as schools, sports centers and medical care, Unified monitoring and management can ensure the standardized use of electrical equipment, the safety of circuits, and the continuity of services, and reduce safety hazards.

In the smart home scenario, utilizing DIN rail-mounted standardization and modular installation methods for household terminal distribution boxes can achieve functions such as remote control, automation control, and energy management, thereby enhancing the comfort, convenience, and energy efficiency of home living.



In the new energy and solar photovoltaic industry, safety monitoring and protection are conducted for electrical faults such as power faults, arc faults, overloads, and short circuits in circuits. Real-time monitoring of circuit parameters, electricity consumption data, and system operation status is available to optimize energy distribution and utilization. Predictive maintenance based on recorded data helps improve system reliability and stability.



Residential



Hospital



Factory



Solar photovoltaic

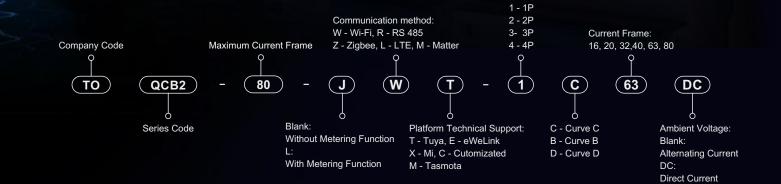


Hotel



Office

Smart Circuit Breaker TOQCB2 Series



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165V~265 50/60Hz

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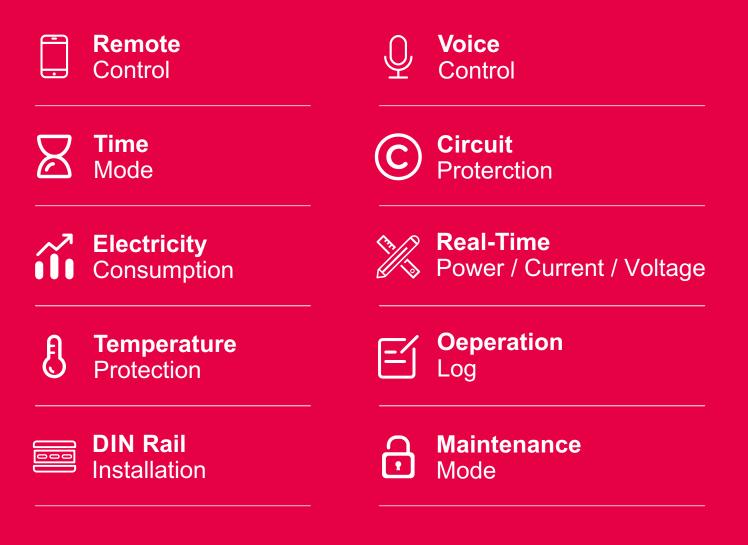
C63

tongou TOOCB2-80

Res N

Smart Circuit Breaker TOQCB2 Series

The future mode of electricity usage will feature efficient energy management, enhanced safety with integrated electrical protection functions, remote monitoring of electricity data, more convenient and rapid power maintenance, and integrated application with intelligent auto mation systems.







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Zigbee Circuit Brea

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OQCB2-80

TOQCB2-80 1P

Over-current Protection

Threshold Setting: 1 - 63A
Defualt: 63A
Status Setting: Off/Alarm/Trip
Electronic Component Response Time: 3s

+ Over-voltage Protection

Threshold Setting: 245V - 295A
Defualt: 280V
Status Setting: Off/Alarm/Trip
Electronic Component Response Time: 3s

- Under-voltage Protection

Threshold Setting: 145V - 220A

Defualt: 165V

Status Setting: Off/Alarm/Trip

Electronic Component Response Time: 3s

LED Indicator

- : The switch Status LED steady blue, indicating that circuit breaker is disconnected.
- The switch Status LED steady red, indicating that circuit breaker is closed.
- The network LED flashing red slowly indicates that circuit breaker is in off-grid mode.
- The network LED flashing red quickly indicates that circuit breaker is in pairing mode.
- The network LED flashing blue slowly indicates that the circuit breaker is in the connected mode.

PRODUCT MODEL		TOQCB2-80-JW	TOQCB2-80-JZ	TOQCB2-80-JR	TOQCB2-80-JL	TOQCB2-80-JM	
Standards		IEC/EN	1 60947, IEC/EN 60898,	IEC/EN 50557, EN 301 4	489, EN 300 328, EN IE	C 61000	
Poles Description				1P			
Operating Rated Voltage	Ue (V)			AC 145V - 230V			
Frequency	Hz			50/60Hz			
Current Frame	In (A)			16, 20, 32, 40, 63, 80			
Curve Code				B, C, D			
Rated Insulation Voltage	Ui (V)			AC 500V			
Rated Ultimate Short-circuit Breaking Capacity	lcu (kA)	10kA					
Short Circuit Protection		acc. to IEC/EN 60947-2, IEC/EN 60898-1					
Operational Safety		Physical Safety Lock, which prevents the device from being closed once engaged					
		TOQCB2-80-JW TCP/IP: Wi-Fi (2.412~2.484GHz) IEEE 802.11b/g/n					
		TOQCB2-80-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4					
Communication Protocol		TOQCB2-80-JR Modbus-RTU					
Communication Proceed		TOQCB2-80-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800					
		TOQCB2-80-JM TCP/UDP: Matter					
Energy Comsumption Measurement Accuracy		Class 1.0					
Monitoring Physical Data		Real-time Voltage, Real-time Current, Real-time Power (Forward/Reverse), Power Factor, Power Consumption (Forward/Reverse), Temperature, Phase Angle, Switch State, Device Operating Status, Frequency					
Function Description			r-voltage Protection, Und re protection, Short Circu				
Mounting Support				DIN Rail 35mm			

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Comm Method

MCU

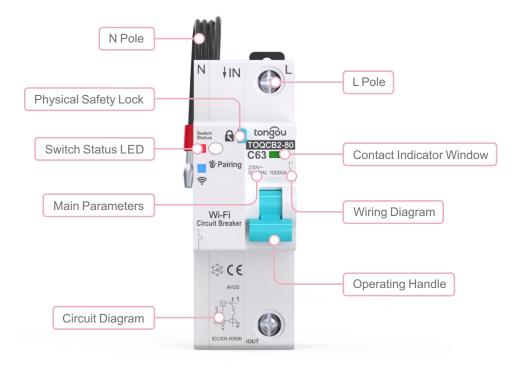
RDT+MCB+ARD+UVP

OVP+ECM

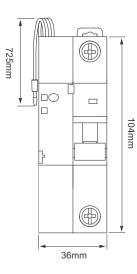


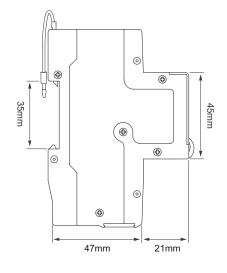


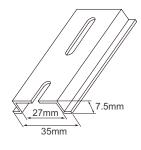
TOQCB2-80 1P















Øver-current Protection

Threshold Setting: 1 - 63A Defualt: 63A Status Setting: Off/Alarm/Trip Electronic Component Response Time: 3s

+ Over-voltage Protection

Threshold Setting: 245V - 295A Defualt: 280V Status Setting: Off/Alarm/Trip Electronic Component Response Time: 3s

- Under-voltage Protection

Threshold Setting: 145V - 220A

Defualt: 165V

Status Setting: Off/Alarm/Trip

Electronic Component Response Time: 3s

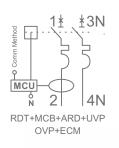
LED Indicator



- : The switch Status LED steady red, indicating that circuit breaker is closed.
- The network LED flashing red slowly indicates that circuit breaker is in off-grid mode.
- The network LED flashing red quickly indicates that circuit breaker is in pairing mode.

The network LED flashing blue slowly indicates that the circuit breaker is in the connected mode.

PRODUCT MODEL		TOQCB2-80-JW	TOQCB2-80-JZ	TOQCB2-80-JR	TOQCB2-80-JL	TOQCB2-80-JM	
Standards		IEC/EI	N 60947, IEC/EN 60898,	IEC/EN 50557, EN 301 4	489, EN 300 328, EN IE	C 61000	
Poles Description				2P			
Operating Rated Voltage	Ue (V)			AC 145V - 230V			
Frequency	Hz			50/60Hz			
Current Frame	In (A)			16, 20, 32, 40, 63, 80			
Curve Code				B, C, D			
Rated Insulation Voltage	Ui (V)			AC 500V			
Rated Ultimate Short-circuit Breaking Capacity	lcu (kA)	10kA					
Short Circuit Protection		acc. to IEC/EN 60947-2, IEC/EN 60898-1					
Operational Safety		Physical Safety Lock, which prevents the device from being closed once engaged				Jaged	
		TOQCB2-80-JW TCP/IP: Wi-Fi (2.412~2.484GHz) IEEE 802.11b/g/n					
		TOQCB2-80-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4					
Communication Protocol		TOQCB2-80-JR Modbus-RTU					
		TOQCB2-80-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800					
		TOQCB2-80-JM TCP/UDP: Matter					
Energy Comsumption Measurement Accuracy		Class 1.0					
Monitoring Physical Data		Real-time Voltage, Real-time Current, Real-time Power (Forward/Reverse), Power Factor, Power Consumption (Forward/Reverse), Temperature, Phase Angle, Switch State, Device Operating Status, Frequency					
Function Description			er-voltage Protection, Unc ure protection, Short Circu				
Mounting Support				DIN Rail 35mm			





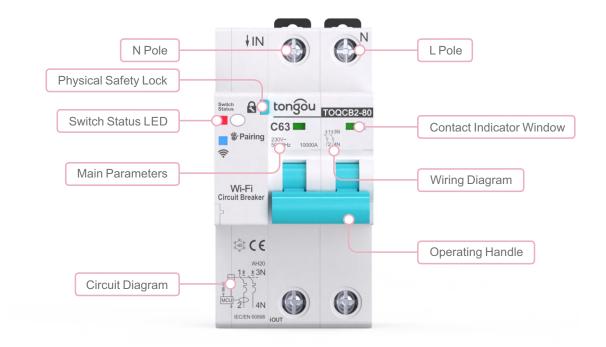
Benefit Your Life

tongou

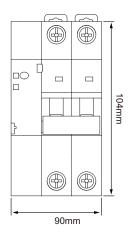


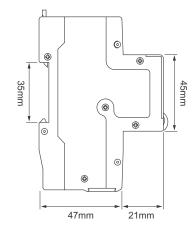


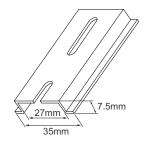
TOQCB2-80 2P















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NL 165V-265 50/60Hz

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TOQCB2-80 3P

Over-current Protection

Threshold Setting: 1 - 63A
Defualt: 63A
Status Setting: Off/Alarm/Trip
Electronic Component Response Time: 3s

+ Over-voltage Protection

Threshold Setting: 245V - 295A
Defualt: 280V
Status Setting: Off/Alarm/Trip
Electronic Component Response Time: 3s

- Under-voltage Protection

Threshold Setting: 145V - 220A

Defualt: 165V

Status Setting: Off/Alarm/Trip

Electronic Component Response Time: 3s

LED Indicator

- : The switch Status LED steady blue, indicating that circuit breaker is disconnected.
- The switch Status LED steady red, indicating that circuit breaker is closed.
- The network LED flashing red slowly indicates that circuit breaker is in off-grid mode.
- ÷**77** : The network LED flashing red quickly indicates that circuit breaker is in pairing mode.
- The network LED flashing blue slowly indicates that the circuit breaker is in the connected mode.

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RDT+MCB+ARD+UVP

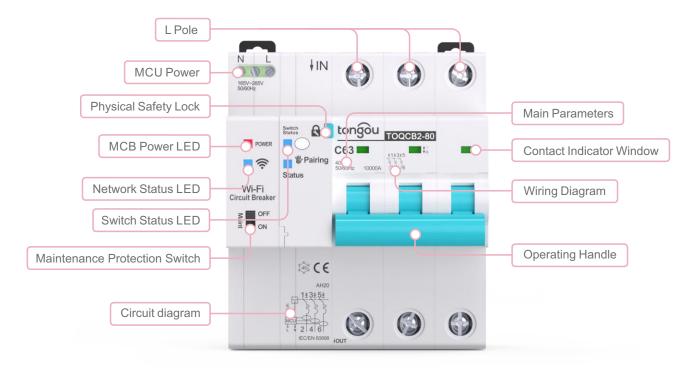
OVP+ECM

PRODUCT MODEL		TOQCB2-80-JW	TOQCB2-80-JZ	TOQCB2-80-JR	TOQCB2-80-JL	TOQCB2-80-JM
Standards		IEC/	EN 60947, IEC/EN 60898,	IEC/EN 50557, EN 301	489, EN 300 328, EN IE	C 61000
Poles Description				3P		
MCU Power Rated Operational Voltage	Ue (V)			AC 380V - 415V		
Phase Line Operational Voltage	Ue (V)		A	C 230V(L1-N, L2-N, L3-N	4)	
Frequency	Hz			50/60Hz		
Current Frame	In (A)			16, 20, 32, 40, 63, 80		
Curve Code		B, C, D				
Rated Insulation Voltage	Ui (V)	AC 500V				
Rated Ultimate Short-circuit Breaking Capacity	lcu (kA)	10kA				
Short Circuit Protection			acc. to I	EC/EN 60947-2, IEC/EN	60898-1	
Operational Safety		P	hysical Safety Lock, which	prevents the device from	n being closed once eng	jaged
		TOQCB2-80-JW TCP/IP: Wi-Fi (2.412~2.484GHz) IEEE 802.11b/g/n				
		TOQCB2-80-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4				
Communication Protocol		TOQCB2-80-JR Modbus-RTU				
		TOQCB2-80-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800				
		TOQCB2-80-JM TCP/UDP: Matter				
Energy Comsumption Measurement Accuracy		Class 1.0				
Monitoring Physical Data		Real-time Voltage, Real-time Current, Real-time Power (Forward/Reverse), Power Factor, Power Consumption (Forward/Reverse), Temperature, Phase Angle, Switch State, Device Operating Status, Frequency				
Function Description			ver-voltage Protection, Und ture protection, Short Circu			
Mounting Support				DIN Rail 35mm		

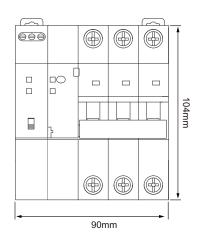


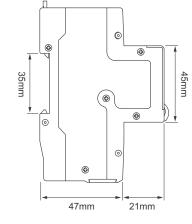


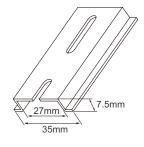
TOQCB2-80 3P















TOQCB2-80 4P

Over-current Protection

Threshold Setting: 1 - 63A
Defualt: 63A
Status Setting: Off/Alarm/Trip
Electronic Component Response Time: 3s

+ Over-voltage Protection

Threshold Setting: 245V - 295A

Defualt: 280V

Status Setting: Off/Alarm/Trip

Electronic Component Response Time: 3s

- Under-voltage Protection

Threshold Setting: 145V - 220A

Defualt: 165V

Status Setting: Off/Alarm/Trip

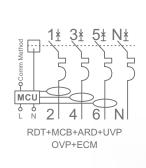
Electronic Component Response Time: 3s

LED Indicator

- : The switch Status LED steady blue, indicating that circuit breaker is disconnected.
- The switch Status LED steady red, indicating that circuit breaker is closed.
- The network LED flashing red slowly indicates that circuit breaker is in off-grid mode.
- The network LED flashing red quickly indicates that circuit breaker is in pairing mode.

The network LED flashing blue slowly indicates that the circuit breaker is in the connected mode.

PRODUCT MODEL		TOQCB2-80-JW	TOQCB2-80-JZ	TOQCB2-80-JR	TOQCB2-80-JL	TOQCB2-80-JM	
Standards		IEC/I	IEC/EN 60947, IEC/EN 60898, IEC/EN 50557, EN 301 489, EN 300 328, EN IEC 61000				
Poles Description				4P			
MCU Power Rated Operational Voltage	Ue (V)			AC 380V - 415V			
Phase Line Operational Voltage	Ue (V)		A	C 230V(L1-N, L2-N, L3-	N)		
Frequency	Hz			50/60Hz			
Current Frame	In (A)			16, 20, 32, 40, 63, 80			
Curve Code		B, C, D					
Rated Insulation Voltage	Ui (V)	AC 500V					
Rated Ultimate Short-circuit Breaking Capacity	lcu (kA)	10kA					
Short Circuit Protection			acc. to I	EC/EN 60947-2, IEC/EN	l 60898-1		
Operational Safety		P	hysical Safety Lock, which	prevents the device from	n being closed once eng	jaged	
		TOQCB2-80-JW TCP/IP: Wi-Fi (2.412~2.484GHz) IEEE 802.11b/g/n					
		TOQCB2-80-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4					
Communication Protocol		TOQCB2-80-JR Modbus-RTU					
		TOQCB2-80-JL	LTE Cat.1: LTE-FDD: B1 LTE-FDD: B1/B3/B5/B7/			/	
		TOQCB2-80-JM TCP/UDP: Matter					
Energy Comsumption Measurement Accuracy		Class 1.0					
Monitoring Physical Data			e, Real-time Current, Real Reverse),Temperature, Ph	(,, , ,		
Function Description			ver-voltage Protection, Und ture protection, Short Circu				
Mounting Support				DIN Rail 35mm			

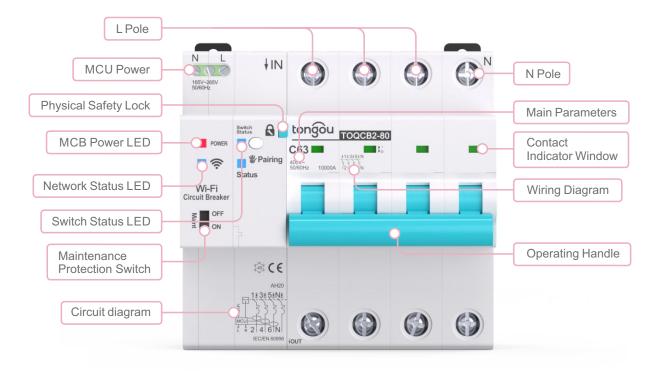


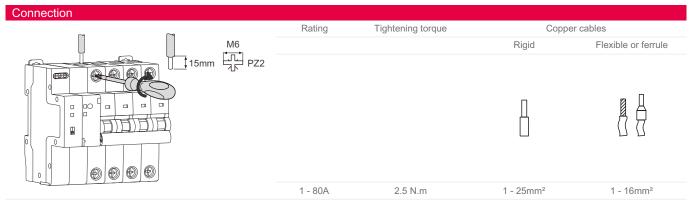






TOQCB2-80 4P





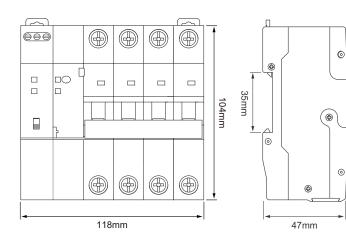
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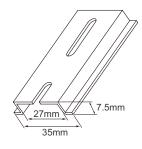
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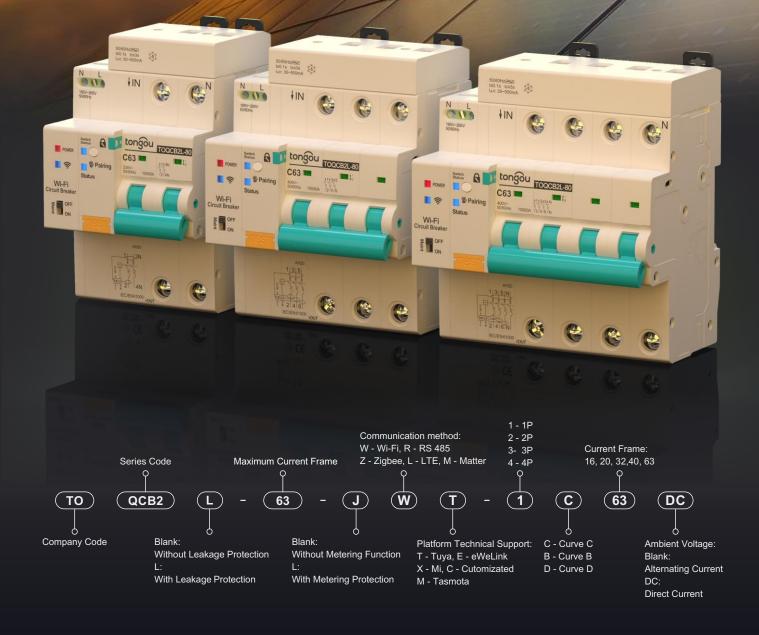
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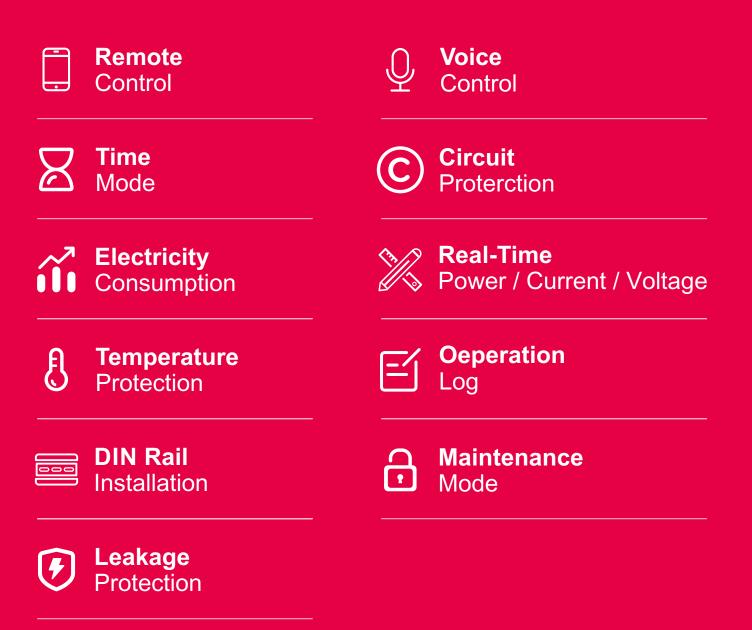


Smart Circuit Breaker TOQCB2L Series



Smart Circuit Breaker TOQCB2L Series

Tongou envisions afuture of smart electricity consumption, ensuring safety, efficiency, and seamless integration with intelligent automation systems through advanced electrical protection, leakage protection, efficient energy management, and streamlined power maintenance.







Øver-current Protection

Threshold Setting: 1 - 63A Defualt: 63A Status Setting: Off/Alarm/Trip Electronic Component Response Time: 3s

+ Over-voltage Protection

Threshold Setting: 245V - 295A Defualt: 280V Status Setting: Off/Alarm/Trip Electronic Component Response Time: 3s

- Under-voltage Protection

Threshold Setting: 145V - 220A

Defualt: 165V

Status Setting: Off/Alarm/Trip

Electronic Component Response Time: 3s

LED Indicator



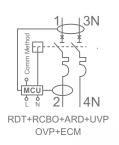
The switch Status LED steady red, indicating that circuit breaker is closed.

The network LED flashing red slowly indicates that circuit breaker is in off-grid mode.

The network LED flashing red quickly indicates that circuit breaker is in pairing mode.

The network LED flashing blue slowly indicates that the circuit breaker is in the connected mode.

PRODUCT MODEL		TOQCB2L-63-JW	TOQCB2L-63-JZ	TOQCB2L-63-JR	TOQCB2L-63-JL	TOQCB2L-63-JM
Standards		IEC/EN 61009, IEC/EN 50557, EN 301 489, EN 300 328, EN IEC 61000				
Poles Description				2P		
MCU Power Rated Operational Voltage	Ue (V)			AC 145V - 230V		
Phase Line Operational Voltage	Ue (V)			AC 230V		
Frequency	Hz			50/60Hz		
Current Frame	In (A)			16, 20, 32, 40, 63		
Rated Residual Operating Current	l∆n (mA)			30, 100, 300, 500		
Residual Current Type		AC, A				
Curve Code		B, C, D				
Rated Insulation Voltage	Ui (V)	AC 500V				
Rated Ultimate Short-circuit Breaking Capacity	Icu (kA)	10kA				
Short Circuit Protection		acc. to IEC/EN 60947-2, IEC/EN 60898-1				
Operational Safety		Ph	ysical Safety Lock, which	prevents the device from	n being closed once eng	aged
		TOQCB2L-63-JW	TCP/IP: Wi-Fi (2.412~2.4	84GHz) IEEE 802.11b/	g/n	
		TOQCB2L-63-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4				
Communication Protocol		TOQCB2L-63-JR Modbus-RTU				
		TOQCB2L-63-JL	LTE Cat.1: LTE-FDD: B ⁻ LTE-FDD: B1/B3/B5/B7/			
		TOQCB2L-63-JM TCP/UDP: Matter				
Energy Comsumption Measurement Accuracy		Class 1.0				
Monitoring Physical Data		Real-time Voltage, Real-time Current, Real-time Power (Forward/Reverse), Power Factor, Power Consumption (Forward/Reverse),Temperature, Phase Angle, Switch State, Device Operating Status, Frequency				
Function Description			er-voltage Protection, Unde			
Mounting Support				DIN Rail 35mm		

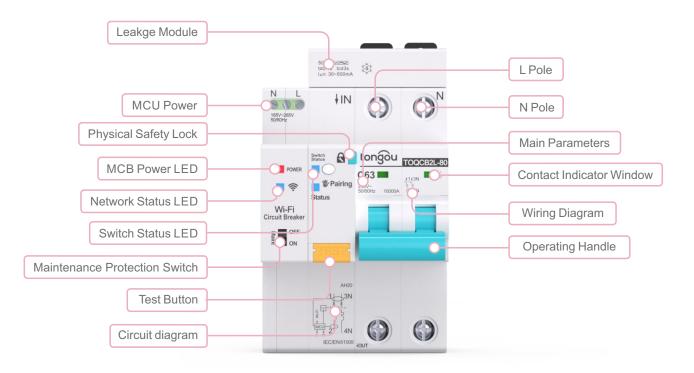


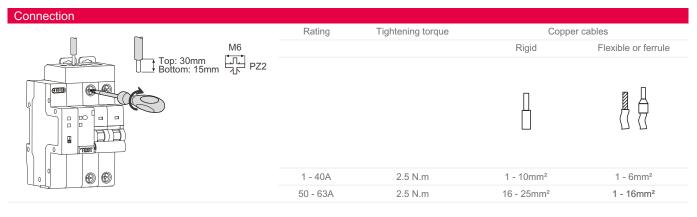


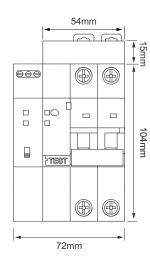


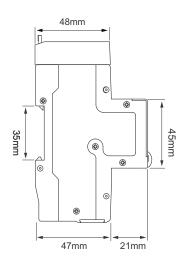


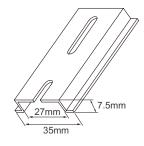
TOQCB2L-63 2P















Over-current Protection

Threshold Setting: 1 - 63A Defualt: 63A Status Setting: Off/Alarm/Trip Electronic Component Response Time: 3s

+ Over-voltage Protection

Threshold Setting: 245V - 295A Defualt: 280V Status Setting: Off/Alarm/Trip Electronic Component Response Time: 3s

- Under-voltage Protection

Threshold Setting: 145V - 220A

Defualt: 165V

Status Setting: Off/Alarm/Trip

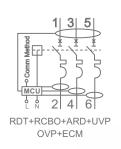
Electronic Component Response Time: 3s

LED Indicator

- : The switch Status LED steady blue, indicating that circuit breaker is disconnected.
- The switch Status LED steady red, indicating that circuit breaker is closed.
- The network LED flashing red slowly indicates that circuit breaker is in off-grid mode.
- The network LED flashing red quickly indicates that circuit breaker is in pairing mode.

The network LED flashing blue slowly indicates that the circuit breaker is in the connected mode.

PRODUCT MODEL		TOQCB2L-63-JW	TOQCB2L-63-JZ	TOQCB2L-63-JR	TOQCB2L-63-JL	TOQCB2L-63-JM
Standards			IEC/EN 61009, IEC/EN	50557, EN 301 489, EN	I 300 328, EN IEC 61000)
Poles Description				3P		
MCU Power Rated Operational Voltage	Ue (V)			AC 145V - 230V		
Phase Line Operational Voltage	Ue (V)		A	C 230V (L1-N, L2-N, L3-	-N)	
Frequency	Hz			50/60Hz		
Current Frame	In (A)			16, 20, 32, 40, 63		
Rated Residual Operating Current	l∆n (mA)			30, 100, 300, 500		
Residual Current Type		AC, A				
Curve Code		B, C, D				
Rated Insulation Voltage	Ui (V)	AC 500V				
Rated Ultimate Short-circuit Breaking Capacity	lcu (kA)	10kA				
Short Circuit Protection			acc. to I	EC/EN 60947-2, IEC/EN	l 60898-1	
Operational Safety		Ph	ysical Safety Lock, which	prevents the device from	n being closed once eng	aged
		TOQCB2L-63-JW	TCP/IP: Wi-Fi (2.412~2.4	84GHz) IEEE 802.11b/	g/n	
		TOQCB2L-63-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4				
Communication Protocol		TOQCB2L-63-JR Modbus-RTU				
		TOQCB2L-63-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800				
		TOQCB2L-63-JM TCP/UDP: Matter				
Energy Comsumption Measurement Accuracy		Class 1.0				
Monitoring Physical Data		Real-time Voltage, Real-time Current, Real-time Power (Forward/Reverse), Power Factor, Power Consumption (Forward/Reverse),Temperature, Phase Angle, Switch State, Device Operating Status, Frequency				
Function Description			er-voltage Protection, Under ure protection, Short Circu			
Mounting Support				DIN Rail 35mm		



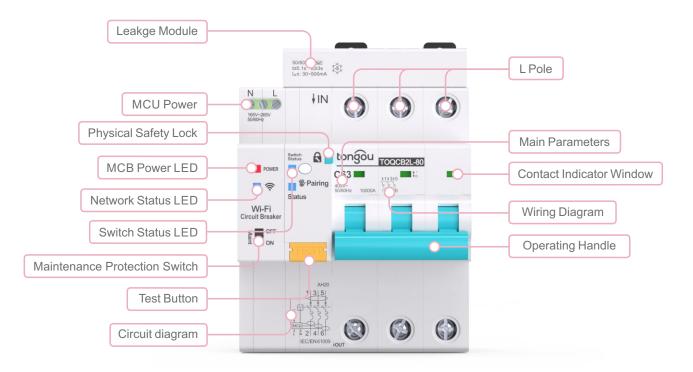




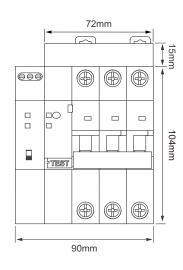


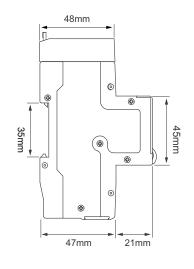


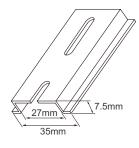
TOQCB2L-63 3P















TOQCB2L-63 4P

Over-current Protecti		+	Over-	current	Protecti
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ld Setting: 1 - 63A		
3A		1001H12556
etting: Off/Alarm/Trip		
Component Response Time: 3s		
Items Distantion	1 3 5 N	C C
e Protection		
I5V - 295A		Santon & Pro
		Police 53
Alarm/Trip		Wi-Fi
nt Response Time: 3s		Circuit Breaker
ge Protection	RDT+RCBO+ARD+UVP	C C MILON
ng: 145V - 220A	OVP+ECM	2400 1131-5121
		C THE
etting: Off/Alarm/Trip		E TIZAEN ECENETODIOUT

Electronic Component Response Time: 3s

LED Indicator

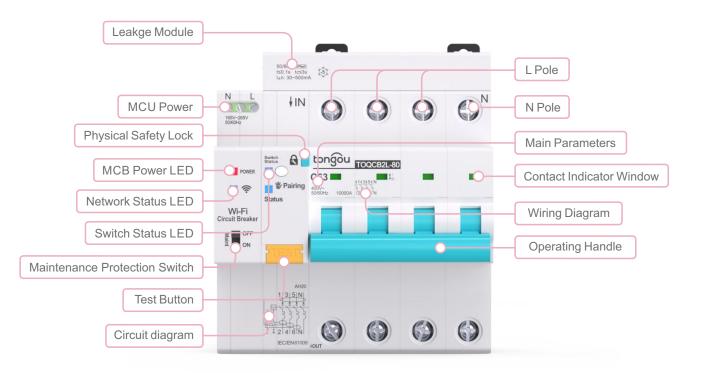
- : The switch Status LED steady blue, indicating that circuit breaker is disconnected.
- The switch Status LED steady red, indicating that circuit breaker is closed.
- The network LED flashing red slowly indicates that circuit breaker is in off-grid mode.
- The network LED flashing red quickly indicates that circuit breaker is in pairing mode.
- The network LED flashing blue slowly indicates that the circuit breaker is in the connected mode.

PRODUCT MODEL		TOQCB2L-63-JW	TOQCB2L-63-JZ	TOQCB2L-63-JR	TOQCB2L-63-JL	TOQCB2L-63-JM			
Standards		IEC/EN 61009, IEC/EN 50557, EN 301 489, EN 300 328, EN IEC 61000							
Poles Description		4P							
MCU Power Rated Operational Voltage	Ue (V)	AC 145V - 230V							
Phase Line Operational Voltage	Ue (V)		A	C 230V (L1-N, L2-N, L3-	N)				
Frequency	Hz			50/60Hz					
Current Frame	In (A)			16, 20, 32, 40, 63					
Rated Residual Operating Current	l∆n (mA)			30, 100, 300, 500					
Residual Current Type				AC, A					
Curve Code				B, C, D					
Rated Insulation Voltage Ui (V) AC 500V									
Rated Ultimate Short-circuit Breaking Capacity	lcu (kA)	10kA							
Short Circuit Protection			acc. to II	EC/EN 60947-2, IEC/EN	60898-1				
Operational Safety		Phy	vsical Safety Lock, which	prevents the device from	n being closed once eng	aged			
		TOQCB2L-63-JW	TCP/IP: Wi-Fi (2.412~2.4	84GHz) IEEE 802.11b/	g/n				
		TOQCB2L-63-JZ	Zigbee (2.400~2.483GH	z) IEEE 802.15.4					
Communication Protocol		TOQCB2L-63-JR	Modbus-RTU						
		TOQCB2L-63-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800							
		TOQCB2L-63-JM	TCP/UDP: Matter						
Energy Comsumption Measurement Accuracy Class 1.0									
Monitoring Physical Data			, Real-time Current, Real- everse),Temperature, Pha						
Function Description			r-voltage Protection, Und re protection, Short Circu						
Mounting Support		DIN Rail 35mm							

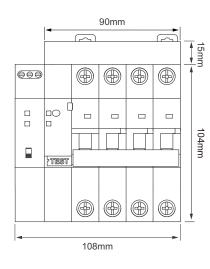


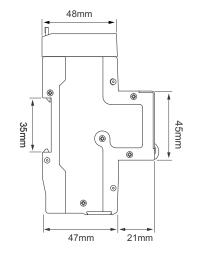


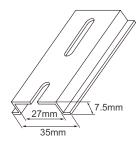
TOQCB2L-63 4P











Smart Circuit Breaker TOSMR1 Serie

OUT N

U:225.9V

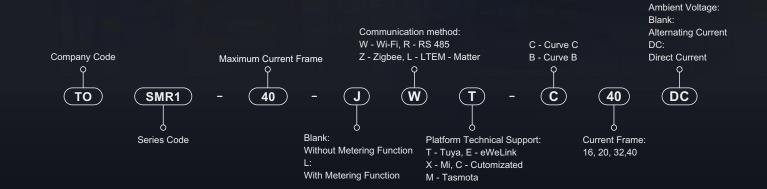
SE

LED

C20

RCBO

tongou



8

OUT N

C20

tongou

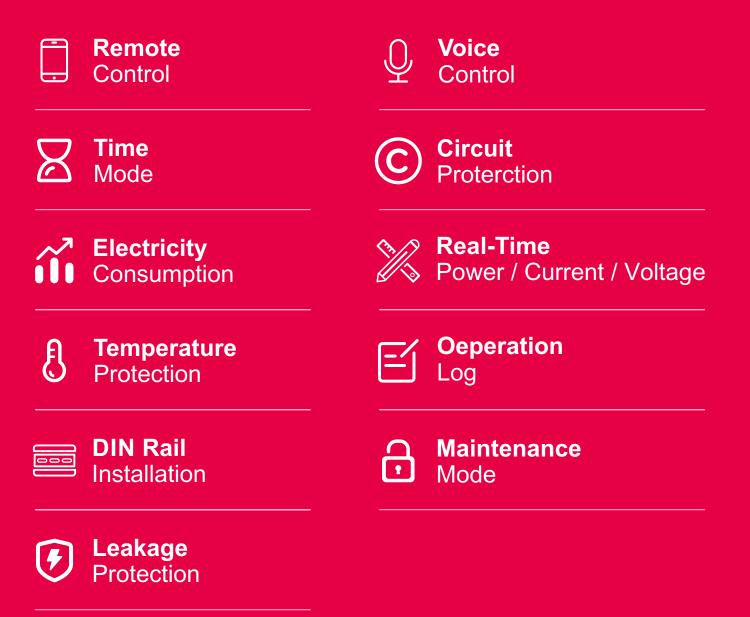
U:225. 9V

LEF

CE

Smart Circuit Breaker **TOSMR1 Series**

TOSMR1 series upgrades your energy management, gracefully replacing traditional DPN RCBO product swith a smart formfactor. This product range not only saves space but also integrates intelligent control and energy monitoring functions, offering comprehensive protection against leakage, over-voltage and under-voltage. Its advanced design ensures efficient and reliable electrical safety, regardless of space size or installation distance.







TOSMR1-40

RDT+RCBO+ARD+UVP OVP+ECM	O O OCE N	ece N L	e Time: 3s	d Setting: 1-40: 20 - 40A 1-20: 1 - 40A etting: Off/Alarm c Component R cr-voltage Pr d Setting: 245V 280V etting: Off/Alarm c Component R der-voltage F d Setting: 145V 165V
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LED Indicator

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	-	The LED indicator shows a steady blue light to indicate that the device is disconnected.

The LED indicator shows a steady red light to indicate that the device is connected.

- 💴 🗧 📶 The LED indicator shows red and blue lights alternately flashing slowly, indicating that the device is configured but not connected to the router.
 - 🛛 🔶 📶 The LED indicator shows red and blue lights alternately flashing quickly, indicating that the device has lost configuration.
- The LED indicator shows red light flashing slowly to indicate the initial state.

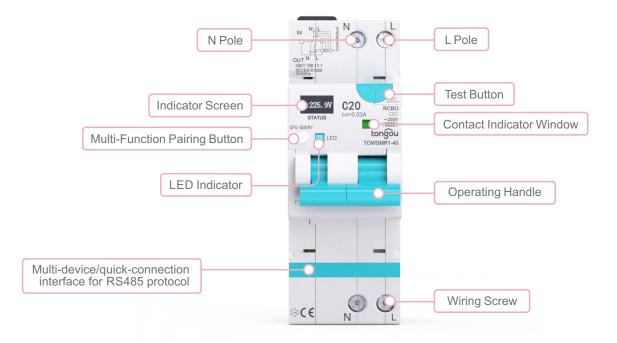
The LED indicator shows red light flashing quickly to indicate the status of the network pairing.

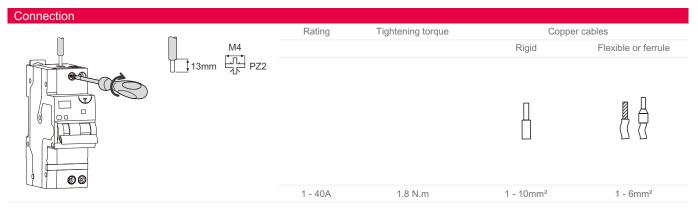
PRODUCT MODEL		TOSMR1-40-JW	TOSMR1-40-JZ	TOSMR1-40-JR	TOSMR1-40-JL	TOSMR1-40-JM			
Standards		IEC/EN 61009,IEC/EN 50557, EN 301 489, EN 300 328, EN IEC 61000							
Poles Description		2P							
MCU Power Rated Operational Voltage	Ue (V)	AC 145V - 230V							
Phase Line Operational Voltage	Ue (V)			AC 230V					
Frequency	Hz			50/60Hz					
Current Frame	In (A)	16, 20, 32, 40							
Rated Residual Operating Current	l∆n (mA)			10, 30, 100					
Residual Current Type				AC, A					
Curve Code				B、C、D					
Rated Insulation Voltage	Ui (V)			AC 500V					
Rated Ultimate Short-circuit Breaking Capacity	lcu (kA)			6kA					
Operational Safety		Physical Safety Lock, which prevents the device from being closed once engaged							
		TOSMR1-40-JW	TCP/IP: Wi-Fi (2.412~2.48	34GHz) IEEE 802.11b/g/	n				
		TOSMR1-40-JZ	Zigbee (2.400~2.483GHz) IEEE 802.15.4					
Communication Protocol		TOSMR1-40-JR	Modbus-RTU						
		TOSMR1-40-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800							
		TOSMR1-40-JM TCP/UDP: Matter							
Energy Comsumption Measurement Accuracy				Class 1.0					
Monitoring Physical Data			e, Real-time Current, Real ward/Reverse),Temperatu						
Function Description		Multiple	Timing, Over-voltage Pro Over-Power Protection, Earth Leakage Protectio	Temperature protection,	Short Circuit Protection	l,			

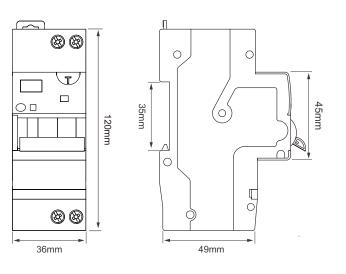


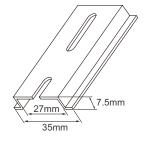


TOSMR1-40







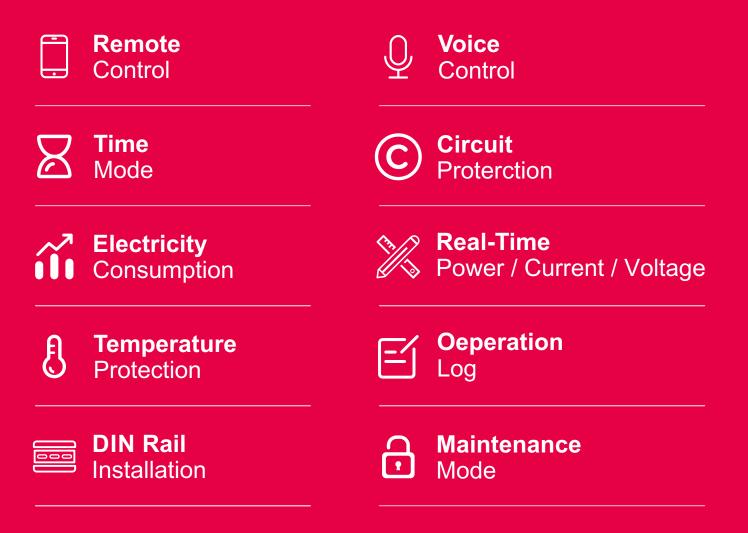


DIN Rail Smart Switch TO-Q-SY1 TO-Q-SY2 Series



DIN Rail Smart Switch TO-Q-SY1 TO-Q-SY2 Series

The TO-Q-SY1 and TO-Q-SY2 are rail-mounted smart series switches, compact in size and versatile in application. They address the issue of limited installation space in circuits, transforming traditional distribution boxes into smart ones. They feature low power consumption, power consumption monitoring, over and under voltage protection, temperature protection, overcurrent protection, and integration with intelligent automation systems.







I TO-Q-SY1 Non-Metering Type



RDT+RELAY

LED Indicator

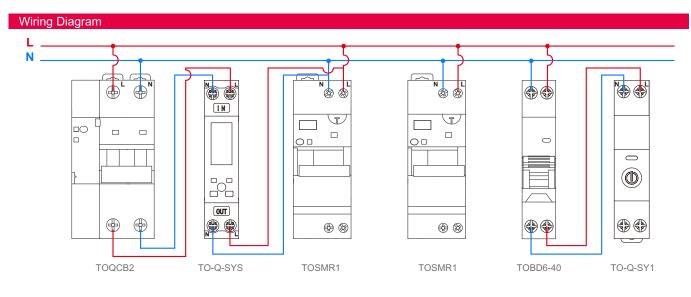
The LED indicator flashing blue indicates the network pairing mode.

The LED indicator solid blue shows the switch is on.

The LED off indicates the switch is off.



PRODUCT MODEL		TO-Q-SY1-W TO-Q-SY1-Z TO-Q-SY1-L TO-Q-SY1-M						
Standards		IEC/EN 60947, IEC/EN 50557, EN 301 489, EN 300 328, EN IEC 61000						
Wiring Mode		DPN 18mm						
Poles Description		Disconnectable L Pole, Direct N Pole						
Operating Rated Voltage	Ue (V)	AC 90 - 240V						
Frequency	Hz			50/6	60Hz			
Rated Current	6, 10, 16, 20, 25, 32, 40, 50, 63							
Operational Safety Remote setting maintenance switch: which can be set via Apps or other ports to prevent remote accide activation. It requires four consecutive presses to exit maintenance mode								
		TO-Q-SY1-W TO	CP/IP: Wi-F	i (2.412~2.484GHz) IEEE 80	02.11b/g/n			
		TO-Q-SY1-Z Zigbee (2.400~2.483GHz) IEEE 802.15.4						
Communication Protocol		TO-Q-SY1-L LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800						
		TO-Q-SY1-M TCP/UDP: Matter						
Energy Comsumption Measurement Accuracy None								
Function Description				Multiple Timing, Remote	e Control, Voice Control			
Mounting Support				DIN Ra	il 35mm			



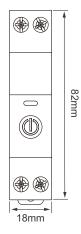


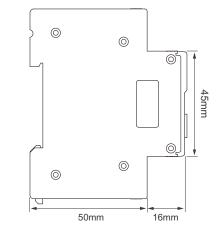


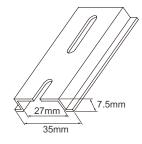
I TO-Q-SY1 Metering Type















I TO-Q-SY1 Metering Type



RDT+RELAY

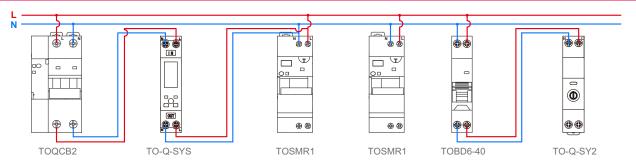
LED Indicator

- The LED indicator flashing blue indicates the device is in pairing mode.The LED solid blue shows the network is connected.
- The LED off indicates no network connection.
- The button indicator solid red indicates the switch is on.
- : The button indicator off indicates the switch is off.



PRODUCT MODEL		TO-Q-SY1	-JW	TO-Q-SY1-JZ	TO-Q-SY1-JL	TO-Q-SY1-JM	
Standards	IEC/EN 60947, IEC/EN 50557, EN 301 489, EN 300 328, EN IEC 61000						
Wiring Mode		DPN 18mm					
Poles Description Disconnectable I					Pole, Direct N Pole		
Operating Rated Voltage Ue (V) AC 90 - 240V							
Frequency	Hz		50/60Hz				
Rated Current	In (A)		6, 10, 16, 20, 25, 32, 40, 50, 63				
Operational Safety		Remote setting maintenance switch: which can be set via Apps or other ports to prevent remote accidenta activation. It requires four consecutive presses to exit maintenance mode					
	TO-Q-SY1-JW TCP/IP: Wi-Fi (2.412~2.484GHz) IEEE 802.11b/g/n						
		TO-Q-SY1-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4					
Communication Protocol		TO-Q-SY1-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B3/43/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800					
	TO-Q-SY1-JM TCP/UDP: Matter						
Energy Comsumption Measurement Accuracy		Class 2.0					
Monitoring Physical Data		Real-time Voltage, Real-time Current, Real-time Power (Forward), Power Consumption (Forward), Switch State, Device Operating Status					
Function Description				Multiple Timing, Remot	e Control, Voice Control		
Mounting Support							

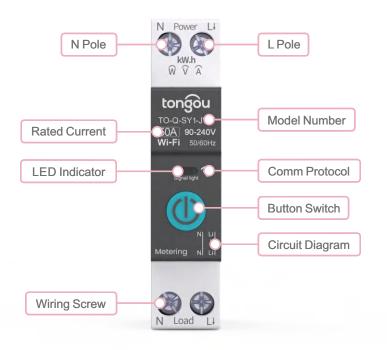
Wiring Diagram







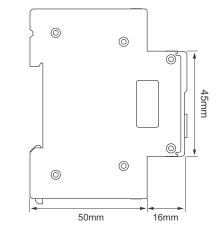
I TO-Q-SY1 Metering Type

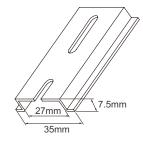




Dimensions (mm)









TO-Q-SY2

Over-Current Protection	+	Over-	Current	Protectio	n
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Threshold Setting: 1A - 63A Status Setting: Off/Alarm/Trip Electronic Component Response Time: 5s

+ Over-Voltage Protection
Threshold Setting: 245V - 295A
Status Setting: Off/Alarm/Trip
Electronic Component Response Time: 5s

- **F** Under-Voltage Protection

Threshold Setting: 145V - 220A Status Setting: Off/Alarm/Trip Electronic Component Response Time: 5s

II High Power Protection

Threshold Setting: 1KW - 26KW Status Setting: Off/Alarm/Trip Electronic Component Response Time: 5s

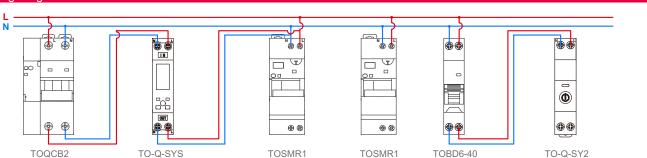




LED) Indicator
; 777 ;	The LED indicator flashing blue indicates the device is in pairing mode.
;—;	The LED solid blue shows the network is connected.
;0775;	The LED off indicates no network connection.
)() (The button indicator solid red indicates the switch is on.
: : ()	The button indicator off indicates the switch is off.

PRODUCT MODEL		TO-Q-SY2	2-JW	TO-Q-SY2-JZ	TO-Q-SY2-JL	TO-Q-SY2-JM		
Standards	IEC/EN 60947, IEC/EN 50557, EN 301 489, EN 300 328, EN IEC 61000							
Wiring Mode		DPN 18mm						
Poles Description		Disconnectable L Pole, Direct N Pole						
Operating Rated Voltage	Ue (V)	AC 90 - 240V						
Frequency	Hz			50/	60Hz			
Current Frame	In (A)				63			
Operational Safety		Remote setting			a Apps or other ports to preve ve presses to exit maintenance			
		TO-Q-SY2-JW	TCP/IP: W	/i-Fi (2.412~2.484GHz) IEEE	802.11b/g/n			
Communication Protocol		TO-Q-SY2-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4						
		TO-Q-SY2-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800						
		TO-Q-SY2-JM	TCP/UDF	P: Matter				
Energy Comsumption Measurement Accuracy				Cla	ss 2.0			
Monitoring Physical Data	Real-time Voltage, Real-time Current, Real-time Power (Forward), Power Consumption (Forward), Switch State, Device Operating Status							
Function Description		Multiple Timing, Over-voltage Protection, Under-voltage Protection, Over-current Protection, Over-Power Protection, Temperature protection, Remote Control, Voice Control						
Mounting Support		DIN Rail 35mm						

Wiring Diagram

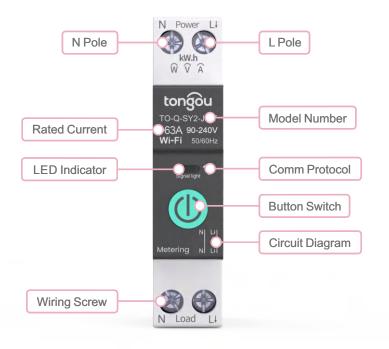








I TO-Q-SY1 Metering Type



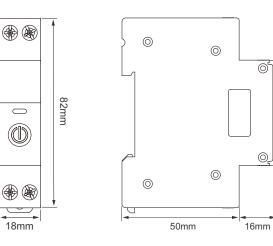
Connection					
-	M	Rating	Tightening torque	Coppe	er cables
	M4 ↓↓11mm ↓↓↓ ↓↓ PZ2			Rigid	Flexible or ferrule
		1 - 50A	1.8 N.m	1 - 16mm²	1 - 10mm²
		63A	1.8 N.m	16mm ²	/

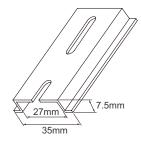
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Q

45mm

Dimensions (mm)



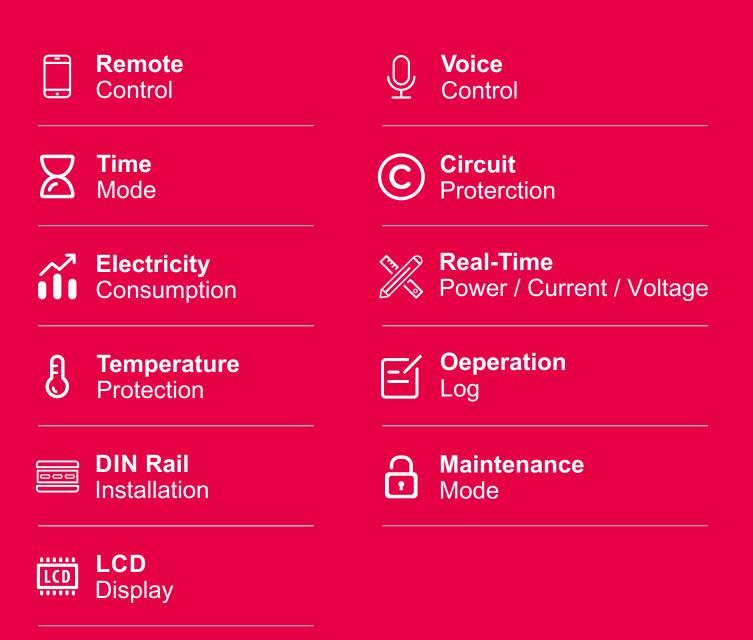


DIN Rail Smart Meter TO-Q-SYS Series



DIN Rail Smart Meter TO-Q-SYS Series

The TO-Q-SYS series rail-mounted smart meters offer compact design, high accuracy, and LCD display for real-time monitoring of voltage, current, and power. They provide local settings, prepaid functionality, and seamless integration with automation systems.







TO-Q-SYS

Over-current Pi	rotection
-----------------	-----------

- Threshold Setting: 1A 50A Status Setting: Off/Alarm/Trip
- Tripping Response Time: 3s 10s (Adjustable)

+ Over-voltage Protection

Threshold Setting: 240V - 295A
Status Setting: Off/Alarm/Trip
Tripping Response Time: 3s - 10s (Adjustable)

- Under-voltage Protection

Threshold Setting: 90V - 220A Status Setting: Off/Alarm/Trip Tripping Response Time: 3s - 10s (Adjustable)

II Over-power Protection

Threshold Setting: 1KW - 26KW Status Setting: Off/Alarm/Trip Tripping Response Time: 3s - 10s (Adjustable)

N	L↓
	_
N	L↓

RDT+RELAY+UVP/OVP+ECM

) D:



8 High Temperature Protection	LED Indicator
Threshold Setting: -25°C - 80°C	Constantly red, indicating that the Relay is in the connected state.
Status Setting: Off/Alarm/Trip	: The switch status LED is black, indicating that the Relay is in the disconnected state.
Tripping Response Time: 3s - 10s (Adjustable)	EXAMPLE The network LED is constantly blue, indicating that the network connection is normal.

 The network LED	is flashing blue	indicating the	nairing status
THO HOUNDIN LED	to naorning blao	, manoading the	

PRODUCT MODEL		TO-Q-SYS-JW	TO-Q-SYS-JZ	TO-Q-SYS-JL	TO-Q-SYS-JM	TO-Q-SYS-JB		
Standards		IEC/EN 60947, IEC/EN 50557, EN 301 489, EN 300 328, EN IEC 61000 IEC/EN 60947						
Wiring Mode		DPN 18mm						
Poles Description		Disconnectable L Pole, Direct N Pole						
Operating Rated Voltage	Ue (V)	AC 100 - 240V						
Frequency	Hz			50/60Hz				
Current Frame	In (A)			50				
Operational Safety			ntenance switch: which o It requires four consecu					
		TO-Q-SYS-JW TC	P/IP: Wi-Fi (2.412~2.484	GHz) IEEE 802.11b/g/n				
		TO-Q-SYS-JZ Zigbee (2.400~2.483GHz) IEEE 802.15.4						
Communication Protocol		TO-Q-SYS-JL LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B3/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800						
		TO-Q-SYS-JM TCP/UDP: Matter						
		TO-Q-SY2-JB Lo	cal					
Energy Comsumption Measurement Accuracy				Class 1.0				
nitial Current Value				100mA				
Monitoring Physical Data			Q-SYS-JZ/TO-Q-SYS-JI wer Consumption (Forw			e Current, Real-time		
		TO-Q-SYS-JB Local Screen Display						
Function Description		Multiple Timing, Ove	Q-SYS-JZ/TO-Q-SYS-J r-voltage Protection, Unc ion, Remote Control, Voi	der-voltage Protection, C	Over-current Protection, (Over-Power Protect		
			ltiple Timing, Over-voltag on, Temperature Protect		age Protection, Over-cu	rrent Protection,		
Mounting Support				DIN Rail 35mm				



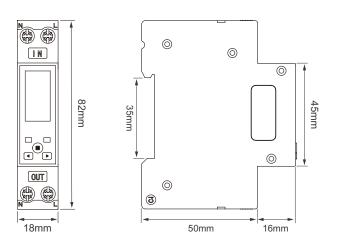


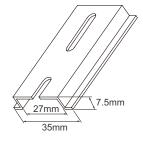
TO-Q-SYS

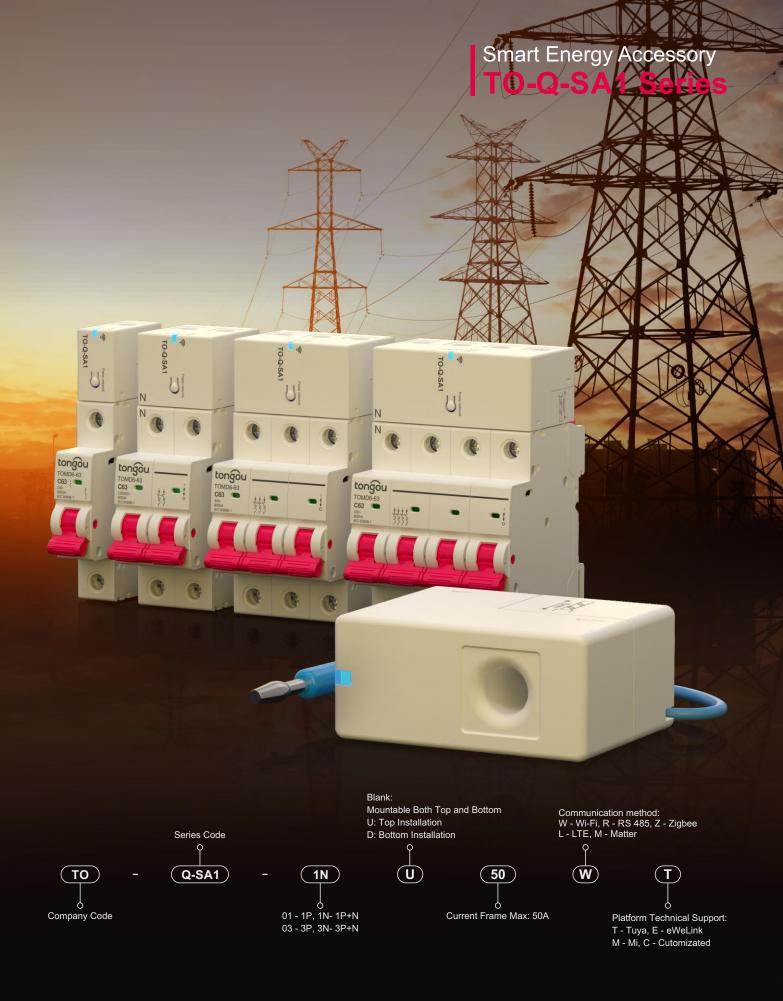




Dimensions (mm)







Smart Energy Accessory TO-Q-SA1 Series



/	
-/1	

Oeperation Log



Fault Alarm



High Temperature Alarm





TO-Q-SA1



Threshold Setting: 1A - 50A		+ Over-voltage Alarm	- 7 Under-volt		Il Over-power Alarm Threshold Setting: 5KW - 12KW				
		Threshold Setting: 245V - 295A	Threshold Setting						
Status Setting: Off/Alarm		Status Setting: Off/Alarm	Status Setting: Of	f/Alarm	Status Setting: Off/Alarm				
		TO-Q-SA1-0150W	TO-Q-SA1-0150Z	TO-Q-SA1-01	-0150L TO-O-SA1-0150M				
PRODUCT MODEL		TO-Q-SA1-1N50W				TO-Q-SA1-1N50M			
Standards			IEC/EN 50557, EN 301 489	9, EN 300 328, EN IE0	C 61000				
Nominal Voltage	Un (V)	AC 230V							
Operating Rated Voltage	Ue (V)	AC 110- 240V							
Operating Temperature		- 25°C to +60°C/ -13°F to + 140°F							
Frequency	Hz	50/60Hz							
Current Frame Maximum	In (A)	50							
		TO-Q-SA1-0150W/TO-Q-SA1-1N50W TCP/IP: Wi-Fi (2.412~2.484GHz) IEEE 802.11b/g/n							
		TO-Q-SA1-0150Z/TO-Q-SA1-1N50Z Zigbee (2.400~2.483GHz) IEEE 802.15.4							
Communication Protocol		TO-Q-SA1-0150L/TO-Q-SA1-1N50L LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800							
TO-Q-SA1-0150M/TO-Q-SA1-1N50M TCP/UDP: Matter		ter							
Energy Comsumption Class 2.0									
Initial Current Value		100mA							
Monitoring Physical Data		Real-time Voltage, Real-time Current, Real-time Power (Forward), Power Consumption (Forward), Internal Temperature							
Function Description		Over-voltage Alarm, Under-voltage Alarm, Over-current Alarm, Over-Power Alarm, Temperature Alarm, Prepaid Monitoring							
Matched Model of MCB			TON	1D6-63					





TO-Q-SA1

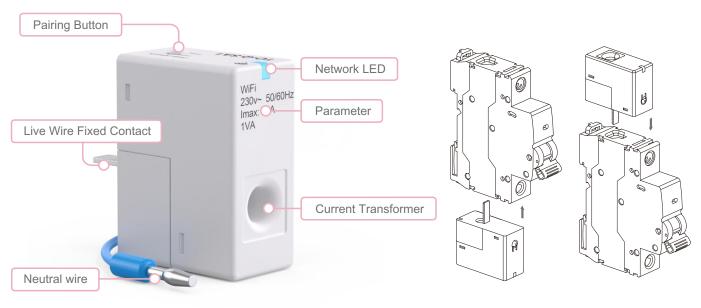


Threshold Setting: 1A - 50A		Threshold Setting: 245V - 295A		- f Under-voltage Alarm Threshold Setting: 145V - 220A Status Setting: Off/Alarm		Il Over-power Alarm Threshold Setting: 5KW - 12KW Status Setting: Off/Alarm		
		TO-Q-SA1-0350W	TO-Q-	SA1-0350Z	TO-Q-SA1-0350L		TO-Q-SA1-0350M	
PRODUCT MODEL		TO-Q-SA1-3N50W	TO-Q-	SA1-3N50Z	TO-Q-SA1-3N50L		TO-Q-SA1-3N50M	
Standards		IE	EC/EN 50	557, EN 301 489,	EN 300 328, EN IEC	61000		
Nominal Voltage	Un (V)	AC 230/400V						
Operating Rated Voltage	Ue (V)	TO-Q-SA1-0350W/3N50W TO-Q-SA1-0350Z/3N50Z: AC 230V						
		TO-Q-SA1-0350L/3N50L TO-Q-SA1-0350M/3N50M: AC 110- 240V (L1-N, L2-N, L3-N)						
Operating Temperature		- 25°C to +60°C/ -13°F to + 140°F						
Frequency	Hz	50/60Hz						
Current Frame Maximum	In (A)	50						
		TO-Q-SA1-0150W/TO-Q-SA1-1N50W TCP/IP: Wi-Fi (2.412~2.484GHz) IEEE 802.11b/g/n						
		TO-Q-SA1-0150Z/TO-Q-SA1-	1N50Z	50Z Zigbee (2.400~2.483GHz) IEEE 802.15.4				
Communication Protocol		TO-Q-SA1-0150L/TO-Q-SA1-	LTE Cat.1: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/38/39/40/41 (2535~2655MHz) LTE-FDD: B1/B3/B5/B7/B8/B20/B28A* LTE-TDD: B38/40/41 GSM/GPRS: GSM900/DCS1800			S1800		
		TO-Q-SA1-0150M/TO-Q-SA1-	-1N50M	TCP/UDP: Matter	r			
Energy Comsumption Measurement Accuracy				Class	2.0			
Initial Current Value			100mA					
Monitoring Physical Data		Real-time Voltage, Real-time Current, Real-time Power (Forward), Power Consumption (Forward), Internal Temperature						
Function Description		Over-voltage Alarm, Under-voltage Alarm, Over-current Alarm, Over-Power Alarm, Temperature Alarm, Prepaid Monitoring						
Matched Model of MCB				TOME	06-63			

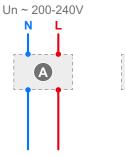


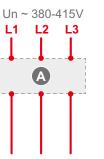


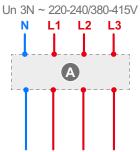
TO-Q-SA1

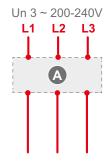


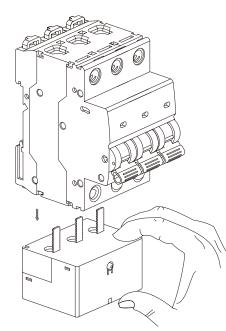
Wiring Diagram

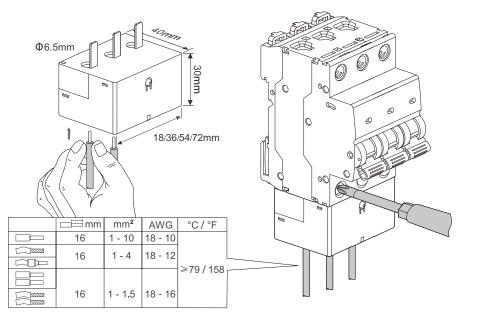
















Note



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