S800-RSU/S500-RSU
Remote Switching Units for High Performance MCBs

ABB's High Performance Miniature Circuit Breakers now can be operated remotely.

S800 with S800-RSU
Known for its outstanding short circuit capacities of up to 50 kA and voltages of up to 690 VAC and 1200 VDC, S800 has become a convenient solution for the DIN Rail. S800-RSU makes the use of S800 even more convenient: driven by a brushless high precision DC motor, S800-RSU ensures fast remote-controlled operation. Wiring and operation is easy: S800-RSU can be operated with standard MDRC pushbuttons and indicator lights or via programmable logic controllers (PLCs). Due to its low power consumption, compact power supply units can be chosen.

S500 with S500-RSU
The Remote Switching Unit is also available for the S500 High Performance MCB range.

Applications and Benefits:

Photovoltaics: Remote-controlled string management and convenient GFDI solutions
For a new generation of combiner boxes: used as a substitute for string or array fuses, S800PV in combination with S800-RSU ensures maximum PV yield due to minimum down-times in case of failure or maintenance. For selective string management, additional switch disconnectors are no longer needed. S800-RSU adds to S800PV's outstanding benefits for the PV-industry, allowing automated ground fault detection and interruption applications following UL1741.

Critical Power: Uninterrupted Power Supply Units
Fast, reliable backup protection for UPS systems: S800-RSU and S500-RSU provide outstanding quality and performance by switching a backup system quickly and reliably at extremely low stand-by current.

Telecommunications: Remote transmitter substations
The Remote Switching Units RSU minimize time-consuming visits to remote substations. Downtimes can be kept low due to convenient remote resetting of a tripped High Performance MCB.

Transportation: Inaccessible control boards
Standstill times can be reduced by remote access to switch-gear mounted in cramped locations.
Multi-pole High Performance MCBs can safely be operated without time loss from the cab.

Wind Power: Turbine towers
Inaccessible areas like wind turbine towers require immediate action in the case of overload or short circuits. The automatic switching capability of the High Performance MCB leads to reduction of cost-intensive fuse replacement or manual resetting of circuit breakers.

Product Facts:
- Driven by Swiss-made brushless high precision DC motors
- Field mountable on any multi-pole High Performance MCB
- Almost all accessories can be mounted
- Short switching times and low power consumption
- Mechanically lockable
- Compatible to ABB pro M compact 9 mm pushbuttons and indicator lights
- Compatible to ABB Programmable Logic Controllers
- User safety due to hand-switching recognition
- Low stand-by current

Technical Data

Operating Voltage	24 VDC
Current Consumption I_{rms}	2.5 A
Stand-by Current	< 50 mA
Switching Time OFF-ON	< 500 ms
Switching Time ON-OFF	< 250 ms
Ambient Operation Temperature	–25 … 70 °C
Switching Cycles over Lifetime	10.000
Standard	IEC 60947-2 Annex N
Protection	IP20
Weight	300 grs
Connection	10 pole Micro Fit 3.0

Subject to alterations. Contact your ABB represantive for detailed Information or if your requirements differ from the data above.

2CCC413002L0202

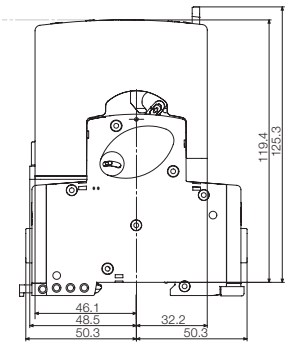
Ordering Details

Type designation	Product Number	EAN Number	Weight [kg]	Pack. unit
S800-RSU-H	2CCS800900R0501	7612271411244	0,3	1
S500-RSU-H	2CCF017987R0001	7612271407780	0,3	1

Dimensional Drawings

S800-RSU-H

Unlocked



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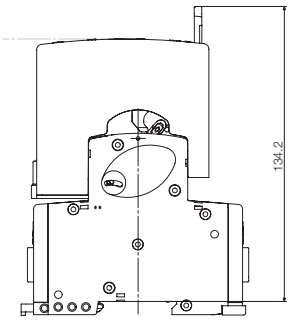
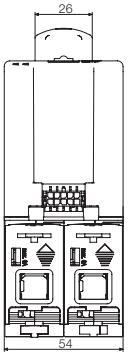
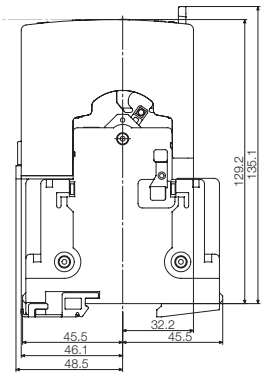




S500-RSU-H

Unlocked



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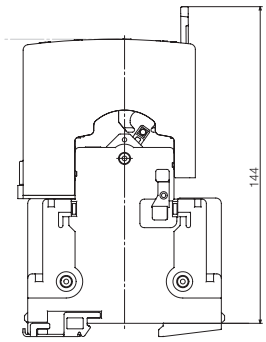

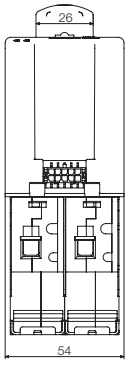

For more information, please contact your ABB representative

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