
S300 P - Miniature Circuit Breaker

Q&A

S300 P is a Miniature Circuit Breaker in 1 module size protecting installations with 25 kA breaking capacity.

Q: What are the recommended applications for the new S300 P MCB?

A: Being fully compatible with the existing ABB's System pro M compact® accessories, the S300 P ensures flexible and powerful protection in high power applications like industrial applications, commercial buildings, data centers and e-mobility, by reducing downtimes and increasing service continuity.

Q: I am currently using the S200 MCB. How can I transfer my products to the new S300 P range?

A: The transition is easy. Just change the 5th digit of the order code from 2 to 3 (e.g. 2CDS281001R0164 --> 2CDS381001R0164).

Alternatively you can also change the 2nd digit of the type code from 2 to 3 (e.g. S201P-B16 --> S301P-B16).

ABB also provides a complete cross-reference list in the download section

Q: I am still using System pro M compact® accessories in my installations. Do I have to buy new accessories for the S300 P range?

A: No. The new S300 P range is fully compatible with all system pro M compact® accessories.

Q: Will the new S300 P still fit into my installations once I replaced it with the old S200 P?

A: Yes. The dimensions of the S300 P range are the same as the old S200 P range and in line with the other S200 MCB ranges.

Dimensional drawings can be found in the download section

Q: In some of my installations I need 25kA for all nominal currents. Is it possible with the new S300 P?

A: Yes. The new S300 P range is now supporting an ultimate breaking capacity of 25kA over the whole nominal current range of 0,2A up to 63A and for all characteristics.

Q: How long will ABB continue to produce and distribute the old S200 P range?

A: The S200 P will be available for a limited time in parallel to the new S300 P range.

Please ensure to switch over to the new range as soon as possible. The availability can be provided by ABB on request.

Q: Does the new housing material support fire & smoke requirements?

A: Yes. It fulfills the latest requirements of UL94-V0 as well as the IEC/EN 45545-2 (R22/HL3, R26/HL3).

Q: What is the Real-CPI for?

A: The Real-CPI is showing the real position of the main contact. This means, that even if the contact is melted together, you can still see the real status of the contact even when the toggle is showing the OFF position.

Q: What does the QR code lead to?

A: The QR code in front of the MCB gives you the direct link to the related ABB S300 P product pages. Here you can find all technical data, documentations and downloads for the specific product.

Q: Are the new terminals still providing support with 25mm² cable?

A: We are now supporting up to 35mm² cable as well as the connection of a busbar behind the cables in a separate terminal chamber. This gives a better visibility and handling on the cable during the installation process.

Q: With the new terminals, can I still crosslink the S300 P with a busbar from another ABB system pro M compact MCBs?

A: Yes, you can. The position of the terminal is still on the same level, so you can use the standard busbars to connect the S300 P to all other S200 MCBs (alike today).

Q: Is the new DIN-Rail fixation still supporting the unmounting of MCBs with attached busbar?

A: Yes. The new DIN-Rail fixation is supporting also the unmounting of MCBs, no matter if the busbar is attached to top or bottom of the MCB.

Q: How can I reset the Trip indicator flag after signaling a tripping event?

A: The reset will be done automatically by switching ON the MCB

Q: What is the new Trip indicator flag on the front of the MCB for?

A: The new Trip indicator flag will show you any tripping event directly on the front of the MCB without any extra accessory.

It will signalize e.g. short-circuit or overload tripping events as well as tripping events caused by shunt trip or undervoltage release attached to the MCB.

Q: What standards are supported by S300 P?

A: S300 P supports global standards like VDE, UL, CSA, CCC, etc. additionally to the majority of the local country standards.

In case of additional info, please contact your local ABB partner