

New CMMT-AS-S3 servo drive

Combining motion control and extended safety features in one compact unit

Industrial automation specialist Festo proudly introduces the CMMT-AS-MP-S3 servo drive, a new product designed to simplify the implementation of high-level extended safety in automated machinery. Building on the trusted technology in the Festo CMMT-AS servo drive range, the CMMT-AS-S3 addresses the needs of modern engineering by combining motion control and extended safety functionality in a single, compact unit. The new servo drive is particularly suited to demanding functional safety applications in assembly and handling technology, packaging machines, or the electronics industry.

Ben Lloyd, Product Manager for Electric Automation at Festo, explains: “The CMMT-AS-S3 delivers the power and precision Festo customers expect, but with extended and integrated safety features. We’ve packaged everything into a compact servo drive that requires no additional wiring or modules, delivering space and cost savings and reducing complexity while meeting the highest standards of functional safety.”

The CMMT-AS-S3 servo drive offers advanced safety and performance in applications ranging from 300 W to 12 kW. Enabling users to achieve up to PLe, SIL3, Category 3 & 4 safety levels, the new servo drive features Safe Torque Off (STO), Safe Brake Control (SBC), Safe Stop 1 and 2 (SS1 and SS2) and Safe Operating Stop (SOS), as well as Safe Maximum Speed (SMS), and Safely Limited Speed (SLS). The CMMT-AS-S3 can be used to achieve extended safety in linear or rotational motion applications in conjunction with all Festo mechanics.

Software engineers benefit from seamless integration with the Festo overall pneumatic and electric automation portfolio with multi-protocol support for common Ethernet-based fieldbuses, such as EtherCAT, EtherNet/IP™, PROFINET and ModbusTCP,

Standard safety parameters can be set without using software, but programming the CMMT-AS-S3 via the Festo Automation Suite (FAS) saves time and offers guidance at every stage. An intuitive graphical interface makes it simple to achieve safety setup, validation, commissioning, programming, diagnostics, and firmware updates. FAS saves commissioning time by offering realistic preset values and guided validation of safety functions. It also supports I/O and fieldbus configuration and the ability to generate validation reports.

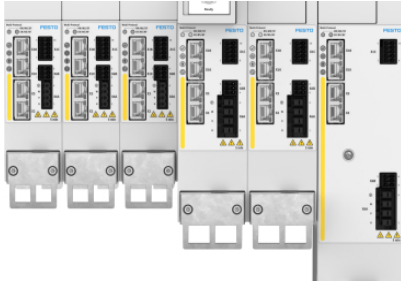
28. January 2026

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CMMT-AS-MP-S₃ servo drive

Designed to simplify the implementation of high-level extended safety in automated machinery.