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## SINAMICS G110D

### Distributed Inverter for Cabinetless Designs

SINAMICS G110D inverters in degree of protection IP65 – as a simpler version of the higher-performance SINAMICS G120D it still offers the same advantages. These include the same drilling template, low-profile design, rugged metal enclosure, ability to be located close to the motor and standard connector. Further, it has an optional maintenance switch directly at the device, a manual-automatic switch, Quick-Stop function, integrated brake control – to name but a few of the functions. Communication, bus parameterization and diagnostics via AS-Interface permit reliable maintenance and plant-wide engineering. The digital and analog inputs provided on the device allow sensors and actuators to be simply connected directly to the drive. Thanks to the wide range of power ratings up to 7.5 kW, almost all basic conveyor-related plants and systems can be designed without requiring a cabinet. Using its AS-Interface connection, SINAMICS G110D can be integrated as module into the Totally Integrated Automation environment.



### SINAMICS G110D – a Brief Summary of its Strengths

- **Universal, distributed, simple**  
Manual-automatic operation, AS-Interface with bus parameterization, located close to the motor, IP65
- **Faster engineering, fast commissioning**  
Optional maintenance switch at the device, connectors are used as standard for the power, communication and sensors – plus optimum Micro Memory Card as parameter storage medium
- **Low-cost and standard solutions**  
The same drilling template for all power ratings, using Totally Integrated Automation (TIA), integrated and unified from SINAMICS to the automation level

### SINAMICS G110D – Technical Data

<b>Voltage and power ranges</b>	3-ph. 380V AC - 3-ph. 500V AC +10% -10% - 0.75 kW up to 7.5 kW
<b>Types of control</b>	V/f, FCC, Sensorless vector control (SLVC), Vector control with encoder feedback

### SINAMICS G110D – Typical Uses

SINAMICS G110D is suitable for the open-loop and closed-loop control of induction motors in a wide range of industrial applications. The G110D is optimized for use in conveyor-related plants and systems, in which a drive is operated in a distributed configuration connected to AS-i or locally without a bus system. The SINAMICS G110D can also be connected to Profibus via the DP/AS-i Link. The G110D inverter is especially

suitable for conveyor-related applications, e.g. in airports and in distribution logistics. Further, the inverter can also be used in applications that require an AS-Interface link, only a low number of sensors or basic closed-loop process control.