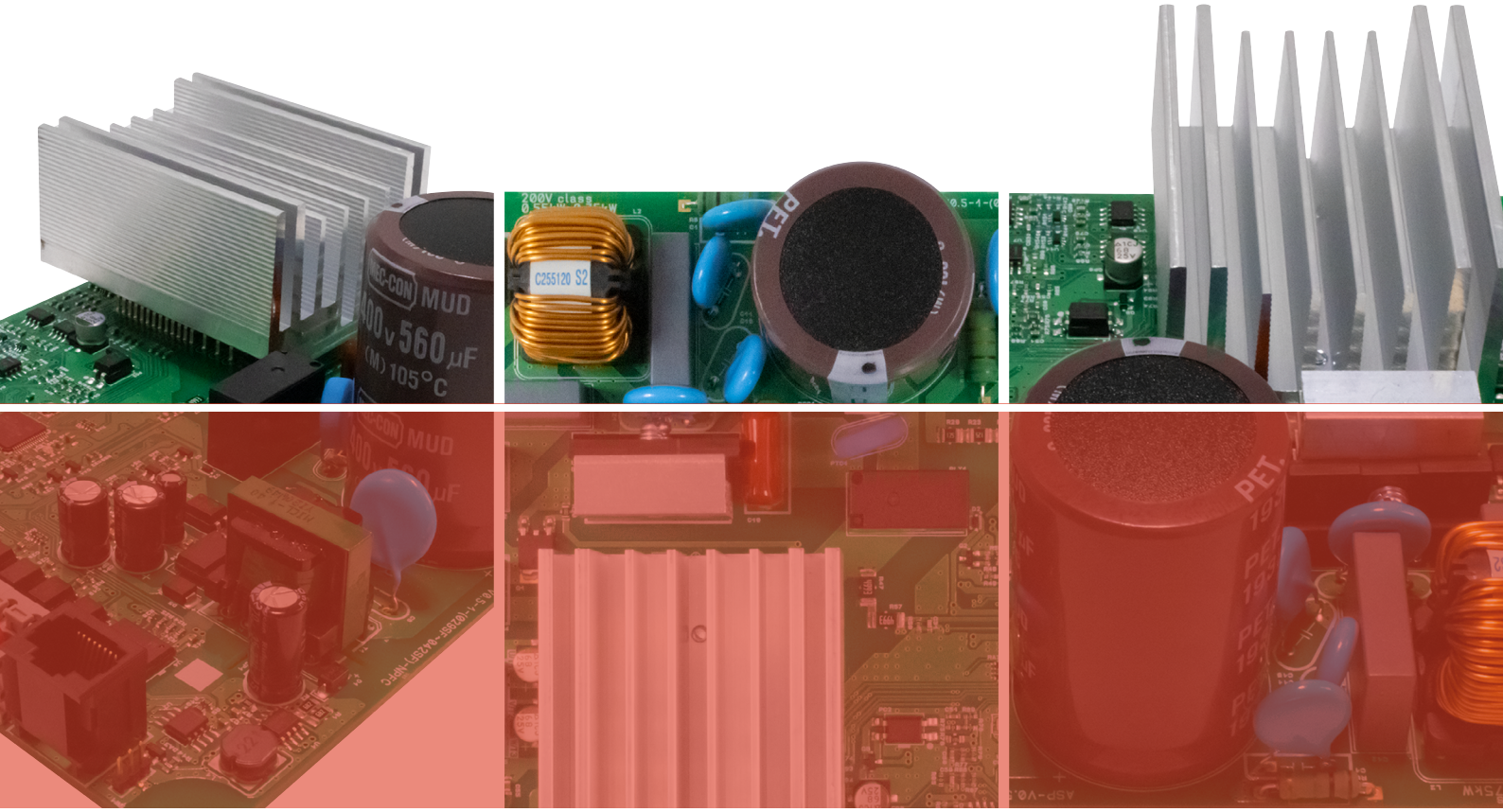
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Automation Components

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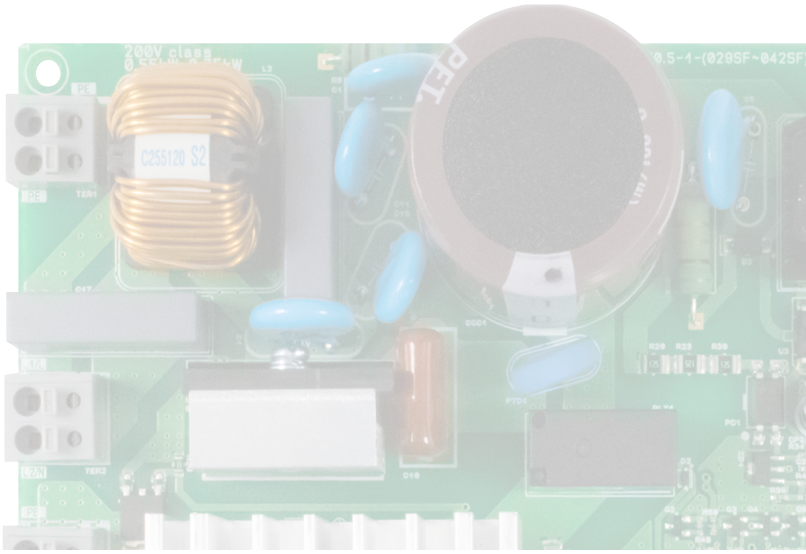
RVDS: Single-phase variable frequency drive

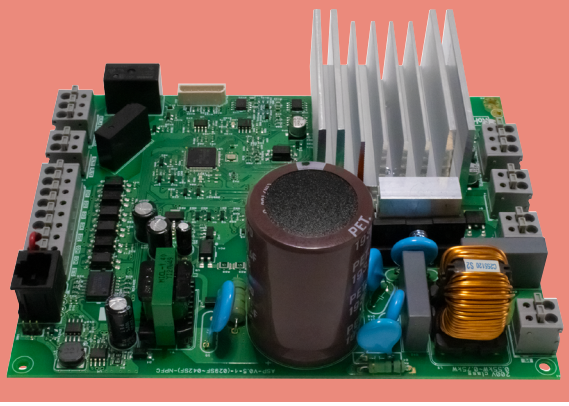
Switches

RVDS
Single-phase variable frequency drive

Industrial doors such as high speed rolling or sectional doors are widely deployed in industrial facilities both for thermal as well as sound insulation.
Central to the control of such doors is the need to quickly reverse the direction of the door movement and also that of varying the speed for a fast acceleration and/or deceleration of the door.

RVDS is a variable frequency drive (VFD) that has been developed specifically for the market of doors.
It incorporates specific features that are required in these applications such as management of an external brake and rapid deceleration.





Modbus

Variable frequency drives for doors and entrances

Easy configuration
RVDS requires fewer configuration parameters for a shorter setup time

Real-time monitoring
RVDS comes with a Modbus RTU interface that enables the user a real time monitoring of the product

Time saving
Use of push-in connectors for a faster and more reliable installation

Remote control
To facilitate commissiossning activity, a remote keypad is available for configuration of RVDS

Space saving
A very compact PCB allowing RVDS to fit in electrical panels with limited spaces

CE

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Applications

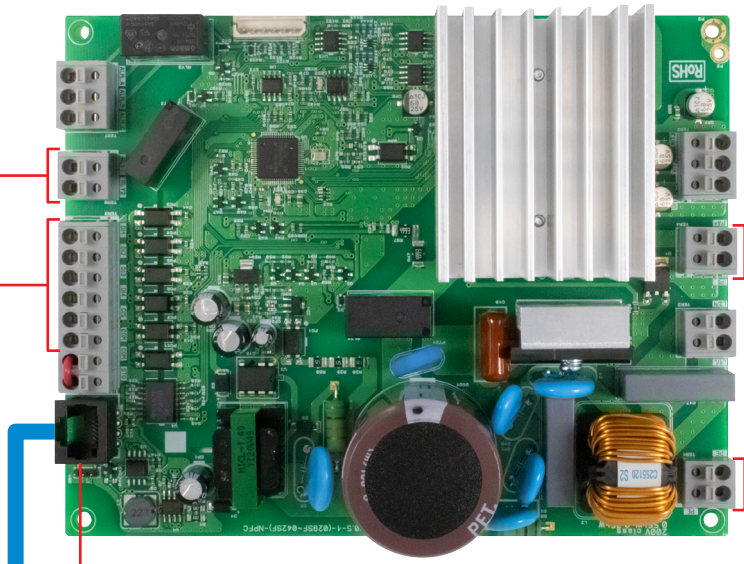
Rolling and sliding doors

RVDS integrates all the features that are normally required to control industrial doors such as:

- **External brake management:** Control the engagement and disengagement of an external electromechanical brake via a dedicated relay on RVDS
- **Multiple speed via digital inputs:** Up to 8 different speeds can be generated via 3 digital inputs
- **Connection for an external brake resistor:** Suitable for high inertia doors for a rapid deceleration
- **Direction control:** Digital inputs are fully programmable to be used for forward and reverse direction operation



Main features



Relay output for electromagnetic brake management

5 Programmable digital inputs for:
- Start
- Stop
- Alarm set

External brake resistor connection for high inertia loads

Push-in connectors for an easy installation

Configuration port (Modbus RTU over RS485) for real-time monitoring of the VFD



Remote keypad

The keypad allows you to:
- Run and stop the motor
- Display various data
- Configure function code data
- Monitor I/O signal states, maintenance information and alarm information

Selection guide

AC supply	Rated output power	Rated output current @ 40°C	Cooling method	Ordering code
1 - phase (230 VAC)	0.55 kW	2.5 Arms	Heatsink	**RVDS120055F**
				RVDS120055FX10 (10 pieces per box)
	0.75kW	4.2 Arms		**RVDS120075F**
				RVDS120075FX10 (10 pieces per box)

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