

## Intelligent, flexible and high-performing!

Soft starter with thermal motor protection for three-phase current compressors

**The PF 9029 soft starter from DOLD's MINISTART family is a robust, electronic control unit for soft starting three-phase current compressors with integrated monitoring functions. With an installation width of 67.5 mm, the PF 9029 offers soft starting, thermal engine protection, and voltage and phase sequence monitoring in just once device in order to safely operate a system of this kind.**

This compact, 3-phase-controlled PF 9029 soft starter allows for smooth, noise-free and soft starting (start time < 200 ms) with minimum starting current. This reduces current peaks and torque shocks that are disruptive during operation. This increases the life span of the motors and mechanical drive components. Furthermore, energy is saved thanks to shunting of the power semiconductor after a successful soft start.

By monitoring the rotary field (right-turning), the motor is prevented from starting in the wrong rotation direction. The integrated undervoltage and overvoltage monitoring device and the Class 10 motor protection function protect the motor from excess load.



Among the most important functions of the PF 9029 are the anti-lock protection in bypass mode, motor output up to 11 kW, missing load detection along with integrated temperature monitoring of the power semiconductor.

With the PF 9029 soft starter from the MINISTART series, the user will have an intelligent, user-friendly soft starter with extensive monitoring and protection functions. Compressors and air conditioning systems are among the most important usage applications.

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