



Open Communication



With the PKE communication module, transparent and open communication is possible in every application. Due to the established and widespread serial Fieldbus Modbus RTU the communication module is an open and standardized Communication interface.

Which can be quickly and easily integrated into existing Connecting systems. Besides frequency drives, programmable logic controllers and circuit breakers, the motor starters are now also controlled via Modbus RTU and adjustable. The PKE communication module thus fits perfectly into the extensive product portfolio from Eaton.



Data transparency

- Complete recording of the machine condition
- Turned on or off
- Reason for triggering (e.g. overload, short circuit, asymmetry, phase failure etc.)
- Number of switch-on operations
- Current detection
- Thermal image of the machine
- The consistent and clear condition monitoring supports the optimal planning of preventive Maintenance



Flexible

- All-in-One: Switching, protecting and measuring in just one Device
- One device for all applications from motor protection to Plant protection
- Simple, cost-effective and fast integration into existing units
- Open and standardized communication via Modbus RTU
- Up to 1000m network range and 63 addressable Participants
- No special software or proprietary peripherals required
- Simple addressing via Dip switches

Consistent Communication within the Eaton Portfolio



System Protection Switch



Motor Starter



Circuit Breaker



Soft Starter



Drives

The advantages at a glance

- Open, standardised communication interface directly via Modbus RTU to IoT
- Two devices in one, (2in1) motorprotection and system protection
- Recording of switching states without the use of auxiliary contacts
- Integrated current measurement and transmission without the use of additional measuring sensors and evaluation electronics
- Enables the avoidance of process failures in case of motor overload
- Monitoring of switch settings enables preventive motor protection
- Differentiated triggering message simplifies troubleshooting

Status

- Switching position PKE
- Adjusted rated current
- Adjusted inertia

Power / Utilization

- Relative motor current
- Thermal motor load

Diagnostics

- Overcurrent (short circuit), overload, Phase failure, test

Additional functions

- Overcurrent (short circuit), Overload, phase failure, Test trip, asymmetry
- Recording the number of trips & type and frequency of operation
- Remote controlled triggering
- Plain text transmission of the values (e.g. current in A)

For more information visit
www.eaton.eu



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