

Industrial Motors
Commercial &
Appliance Motors
Automation
Digital &
Systems
Energy
Transmission &
Distribution
Coatings

SRW01 Smart Relays

Connectivity and
management
of electric motors



Driving efficiency and sustainability



Protection, control and diagnosis of low-voltage electric motors up to 840 A (AC-3).

Protection and control

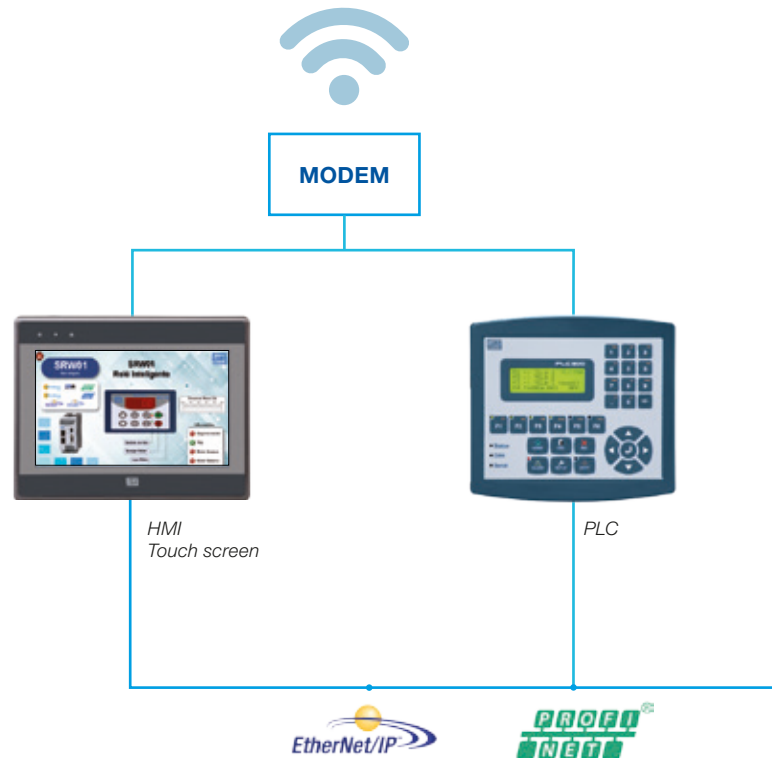
- Overload (adjustable trip class from 5 to 45)
- Thermal via PTC
- Phase loss (current)
- Current unbalance between phases
- Overcurrent and locked rotor
- Undercurrent
- Internal ground fault
- Frequency out of range
- Earth leakage
- External fault
- Phase sequence
- Voltage unbalance
- Phase loss (voltage)
- Overvoltage and undervoltage
- Underpower and overpower
- Under and over power factor
- Management of electric energy consumption kWh and kVAh
- Activation of the digital inputs and outputs

Diagnosis and data acquisition

- RMS current of each phase and average in amperes (A) or % of the adjusted current I_n
- Line voltage and average in Volts (V)
- Motor frequency
- Total number of trips
- Number of trips by fault type
- Number of starts
- Motor operation hours
- Relay operation hours
- Current unbalance level of the phases
- Voltage unbalance level
- Internal ground fault current
- Earth leakage current
- Power factor
- Active power / reactive / apparent power
- PTC value
- Ground fault level

Connectivity and m

The **SRW01** smart relay simplifies the industrial a



Its immediate diagnosis capacity helps in the preventive maintenance, avoiding undesirable events of machine breakdown, also meeting the **IIoT** requirements, which is one of the cornerstones of the **Industry 4.0**.

Advantages



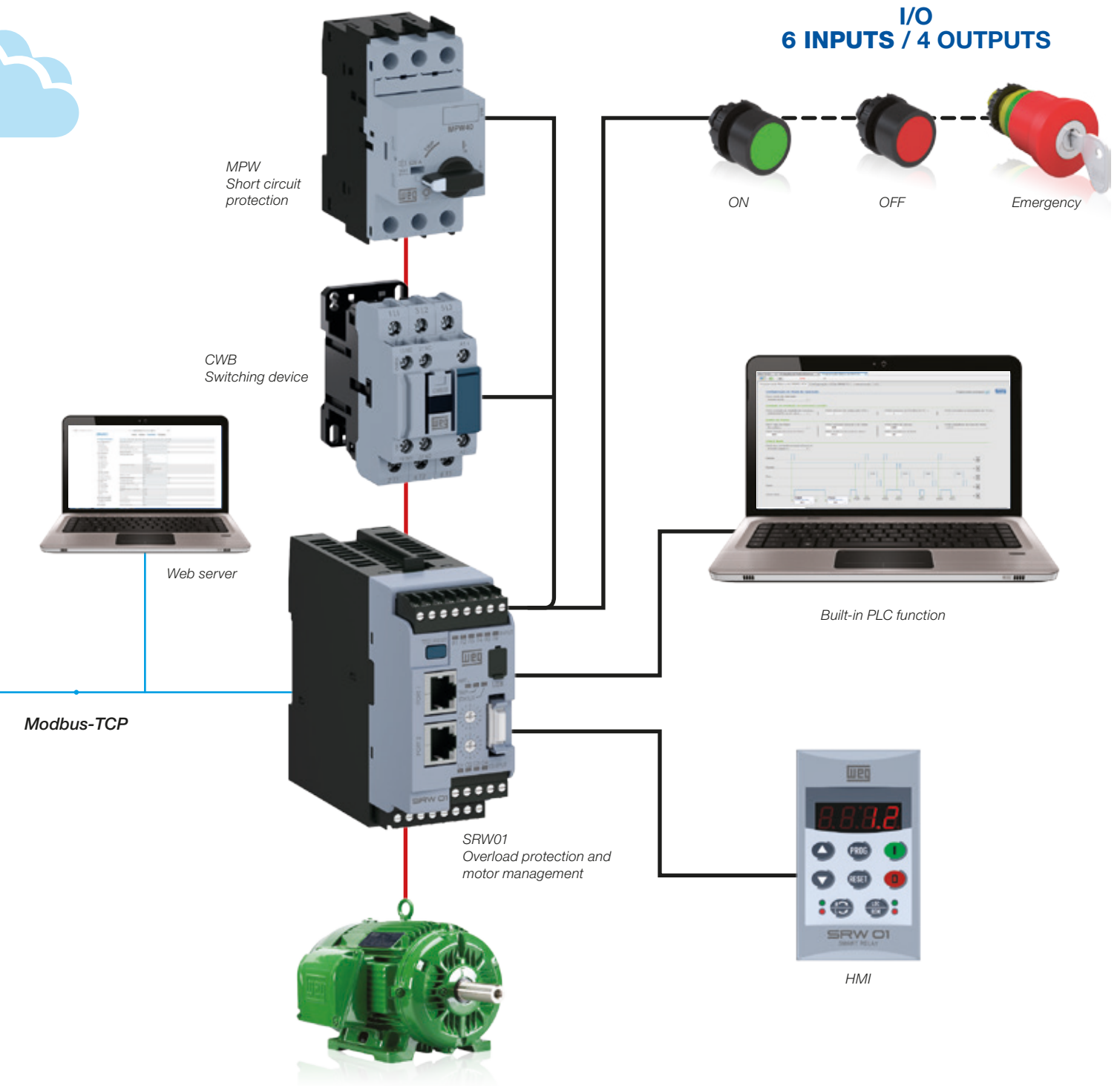
USB
Port



Easy operation
interface

management of electric motors

automation, combining **protection and IIoT functions** in a single product.



Free programming software applications



Reliable operation and control modes



Unique in the market with 6 digital inputs and 4 outputs

Modular design

Current measuring unit (UMC)



Current and voltage measuring unit (UMCT)



Human-Machine Interface (HMI)



Control unit (UC)



Digital expansion unit (EDU)



Earth leakage sensor (EL)



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