



AK-SecurePowerSwitch

■ MADE
■ IN
■ GERMANY



Remote controllable IP socket for networks with electronic solid state relay.

The **AK-SecurePowerSwitch** is a top-class IP socket. It is possible to switch up to 10A or 2300 watts without any restrictions. It is inevitable that light arcs are generated on electro-mechanic relays when switching electrical devices and thus the service life of the relay is always limited. On the **AK-SecurePowerSwitch** it is not possible since the electrical devices are fully electronically switched on and off by means of a **Solid-State-Relais**. **No sticking together and burning of the contacts and thus absolutely wear-free and safe.** The network connection is established by default via a **1024Bit-SSL encryption** and can be additionally saved or extended via server and client certificates. The consumption data are registered up to 30 days and can be displayed on the WEB monitor.

The Web monitor can be easily attained without any additional APP via the network, the Internet or via a mobile terminal such as e.g. a mobile phone. It indicates all relevant data in real-time and you will immediately get an overview of the consumption or the output of the connected electrical consumer.



Options:

The existing WEB interface can be replaced, adapted or modified to the specific customer requirements. A flash file system is available which can be reached easily and simply after having activated it via an FTP connection. There you will find the complete homepage of the **AK-SecurePowerSwitch**.

After having activated an additional TCP-IP network port you can also directly access the **AK-SecurePowerSwitch** via the network and directly control it with simple ASCII commands, such as e.g. <PW0>, <PW1> or <PW?>.

Technical data

- **Dimensions:**
198 x 120 x 48 mm (LxWxH)
- **Housing**
1mm metal housing
- **Weight**
1.2 Kg
- **Temperature range:**
-40°C .. + 70°C
- **Standards**
CE / WEEE / RoHS-II
EN 55022 Class B
EN 55024 Class A
- **System of protection**
IP30
- **Power supply:**
110-230V 50/60Hz
About 2.5 watts
- **Switching capacity**
110-230V 50/60Hz
10A or 2300 watts
8A or 2000 watts continuous load
- **Connections**
1 x IEC box mounting receptacle C13
1 x IEC box mounting receptacle C14
With switch and fusing
2 x RJ45 (Mini-Hub)
1 x RS232 9Pol Sub-D connector
- **Ethernet (M-DIX)**
10 Half Duplex
10 Full Duplex
100 Half Duplex
100 Full Duplex
AutoSensing
- **Solid-State relay**
Zero-voltage switch
Operating voltage = 48-660VAC
Switching capacity = 50A
Switching time = 10ms
Max. overvoltage = 1200V_{pk}
Max. impulse peak = 625 A(10ms)
Max. load category AC51 = 50 A_{eff}
Max. load category AC53 = 15 A_{eff}

Supported protocols IP-Dual-Stack

- IPv4
- TCP
- UDP
- FTP
- FTSP
- TFTP
- ICMP
- ARP
- SNMP
- LPR
- DHCP
- BOOTP
- DNS
- TELNET
- HTML
- HTTP
- HTTPS
- DYNDNS
- SMTP
- POP3
- SYSLOG
- AK-M2M
- IPv6
- NDP
- ICMPv6
- DHCPv6
- TCPv6
- UDPv6
- Netbios-NS
- LLMNR
- ZeroConfig
-APIPA
-AutoIP
- IP-Multicast
- IEEE802.1x
- SSL 3.0
- TLS 1.0
- TLS1.1
- TLS1.2

Management

1. Telnet
2. Browser
3. Serial interface

Views

Front side



Rear side



Scope of delivery

- 1 x AK-SecurePowerSwitch
- 1 x IEC connection cable
- 1 x IEC device extension cable
- 1 x Device adapter (IEC-Schuko)
- 1 x Network cable

Order numbers

AK-SecurePowerSwitch