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SK 3124.300

IoT interface

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FRIEDHELM LOH GROUP

SK 3124.300 - IoT interface

The IoT interface is a central component of intelligent networking of Rittal cooling solutions or sensors for monitoring physical environment conditions. Equipped with a large variety of interfaces and protocols, it serves to collect and transmit data to higher level IT systems, or to systems for local monitoring of machine conditions.

Features

Model No.	SK 3124.300
Product description	The IoT interface is a central component for the intelligent networking of Rittal cooling solutions or sensors for monitoring physical ambient conditions. Equipped with a wide range of interfaces and protocols, it is used to collate and transmit data to superordinate IT systems or to systems for the local monitoring of machine statuses.
Benefits	Digitization and networking offer great opportunities for every company. The IoT interface makes it easy to connect Rittal cooling solutions and sensors for monitoring physical environmental conditions to industrial 4.0 environments without interfering with the automation logic. Plug and play: The IoT interface is quickly and conveniently configured and commissioned via the integral Web server, no programming required.
Material	Plastic to UL 94-V0
Color	RAL 7016
Supply includes	IoT interface USB cable (USB A plug on a micro USB B plug) Angle bracket for Blue e+ cooling unit
Type of connection (electrical)	Push-in spring terminal (24 V DC)
Interface bus system	2 x RJ45 CAN bus
Network interface	Ethernet IPv4/IPv6 Ethernet according to IEEE 802.3 via 10BASE-T, 100BASE-T and 1000BASE-T

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Features

Interfaces	1 x Micro USB type B (device) for USB 2.0 1 x Micro SD memory card slot for SD 2.0 1 x USB 2.0 high-speed functions (EHCI) 1 x acknowledgment button 1 x push-in spring terminal for NTC sensor 2 x RJ45 jack for RS 485 interface (climate control unit interface)
Mounting tip	The IoT interface can be secured using a spring-loaded metal clamp on a 35 x 7.5 top hat rail according to DIN EN 60715 or by means of an angle bracket on the rear of a Blue e+ cooling unit.
Note	The IoT interface is only supported by the Blue e+ cooling units from Firmware 1.11.0. The Blue e IoT adapter (3124.310) is also required for networking Blue e series cooling units.
Protocols	OPC-UA SNMPv1 SNMPv2c SNMPv3 Modbus/TCP TCP/IPv4 TCP/IPv6 Radius Telnet SSH FTP SFTP HTTP HTTPS NTP DHCP DNS SMTP Syslog LDAP
Dimensions	Width: 18 mm Height: 117 mm Depth: 120 mm Width: 0.71 ″ Height: 4.61 ″ Depth: 4.72 ″

Features

Operating temperature range	0 °C...70 °C 32 °F...158 °F
Protection category IP to IEC 60 529	IP 20
Packaging unit	1 pc(s).
Net weight	0.27 kg
Gross weight	0.28 kg
Customs tariff number	85369095
ETIM 9	EC001099
ETIM 8	EC001099
ECLASS 8.0	27143136
Product description	SK IoT Interface, for networking of Rittal components, for Blue e+ cooling units/Chiller, WHD: 18 x 117 x 120 mm

Approvals

Approvals	Cyber Security Certificate UL + C-UL (listed)
Explanations	Declaration of conformity