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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 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.

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	Digitalisation and networking offer huge opportunities for every company. With the IoT interface, Rittal cooling solutions and sensors for monitoring physical ambient conditions are easily connected to Industry 4.0 environments without affecting the automation logic. Plug and run: The IoT interface is quickly and conveniently configured and commissioned via the integral Web server, no programming required.
Material	Plastic to UL 94-V0
Colour	RAL 7016
Supply includes	IoT interface USB cable (USB-A connector on micro-USB-B connector) Angle bracket for Blue e+ cooling unit
Type of electrical connection	Push-in spring connection terminal (24 V DC)
Interface bus system	2 x RJ45 CAN bus
Network interface	Ethernet IPv4/IPv6 Ethernet 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 acknowledgement button 1 x push-in spring connection terminal for NTC sensor 2 x RJ45 jack for RS 485 interface (climate control unit interface)
Assembly instruction	The IoT interface can be secured on a 35 x 7.5 top hat rail to DIN EN 60715 using a spring-loaded metal clip, or to the rear of a Blue e+ cooling unit using the angle bracket.
Note	The IoT interface is only supported by Blue e+ cooling units from firmware version 1.11.0 or above. To interlink cooling units in the Blue e series, the Blue e IoT adaptor (3124.310) is additionally required.
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
Operating temperature range	0 °C...70 °C

Features

IP protection category to IEC 60 529	IP 20
Packs of	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

Tender text

SK 3124.300

Description:
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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:
Digitalisation and networking offer huge opportunities for every company.
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Dimensions:
18 x 117 x 120 mm

Material:
Plastic to UL 94-V0

Colour:
RAL 7016 Anthrazitgrau

Protection category IP to IEC 60 529:
IP 20

Note:
The IoT interface is only supported by Blue e+ cooling units from firmware version 1.11.0 or above. If applicable, update the firmware using the RiDiag III software (3159.300).
To interlink cooling units in the Blue e series, the Blue e IoT adaptor (3124.310) is additionally required.

Supply includes:

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IoT interface
USB cable (USB-A connector on micro-USB-B connector)
Angle bracket for Blue e+ cooling unit

Protocols:
SNMP
OPC-UA
Modbus/TCP
CAN-Bus